

STIC-Biotech/ChemLib

177948

ME

From: Richter, Johann
Sent: Friday, January 27, 2006 9:11 PM
To: Ramirez, Delia
Cc: Chan, Christina; STIC-Biotech/ChemLib
Subject: RE: rush search 09/983025

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JAN 27 2006
STIC

Approved.

Johann R. Richter, Ph.D., Esq.
Supervisory Patent Examiner
Biotechnology and Organic Chemistry
Art Unit 1621
571-272-0646

-----Original Message-----

From: Ramirez, Delia
Sent: Friday, January 27, 2006 2:30 PM
To: Richter, Johann
Cc: Chan, Christina
Subject: rush search 09/983025

Hi,

I sent this request to Christina Chan but she is out of the Office till next Tuesday. This case is in after final status. Please approve the following INTERFERENCE search:

1. SEQ ID NO:2 in the protein databases
2. residues 234-1791 in the protein databases
3. an oligo search (at least 5 amino acids in length) of residues 234-1791 in the protein databases.

Thank you very much,

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70
Alexandria, VA 22314
(571) 272-0938
delia.ramirez@uspto.gov

Searcher: Jan
Searcher Phone: 22504
Date Searcher Picked up: 1/30/06
Date completed: 1/31/06
Searcher Prep Time: 10
Online Time: 15

Type of Search
NA# _____ AA# ✓
S/L: _____ Oligomer: ✓
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: ✓
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:10:52 ; Search time 23.2607 Seconds
(without alignments)
5537.617 Million cell updates/sec

Title: US-09-983-025b-2_COPY_234_1791

Perfect score: 8612

Sequence: 1 SPPEESNONGEGSYREART.....AADCDLDECTCRDPKAEENQ 1558

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query length	ID	Description
1	8592	99.8	1791	2	US-09-827-998-3 Sequence 3, Appli
2	8263	95.9	1770	2	US-09-827-998-10 Sequence 10, Appli
3	6126	71.1	1385	2	US-09-827-998-16 Sequence 16, Appli
4	1709	19.8	717	2	US-09-949-016-9436 Sequence 9436, Ap
5	336.5	3.9	3594	2	US-09-911-842A-4 Sequence 4, Appli
6	330.5	3.8	3571	2	US-09-911-842A-2 Sequence 2, Appli
7	287.5	3.3	1847	6	5256642-10 Patent No. 5256642
8	287.5	3.3	1847	6	5472939-10 Patent No. 5472939
9	287.5	3.3	2039	6	5256642-2 Patent No. 5256642
10	287.5	3.3	2039	6	5472939-2 Patent No. 5472939
11	287	3.3	1947	2	US-09-612-314A-52 Sequence 52, Appli
12	287	3.3	1998	2	US-08-126-505A-13 Sequence 13, Appli
13	284	3.3	2489	2	US-09-911-842A-5 Sequence 5, Appli
14	283	3.3	1466	6	5256642-6 Patent No. 5256642
15	283	3.3	1466	6	5472939-6 Patent No. 5472939
16	283	3.3	1537	6	5256642-5 Patent No. 5256642
17	283	3.3	1537	6	5472939-5 Patent No. 5472939
18	253.5	2.9	849	2	US-09-949-016-10271 Sequence 10271, A
19	249.5	2.9	1012	2	US-08-126-505A-15 Sequence 15, Appli
20	249	2.9	830	1	US-08-110-158-4 Sequence 4, Appli
21	249	2.9	1033	2	US-09-834-309-1 Sequence 1, Appli
22	243.5	2.8	830	4	PCT-US91-05059-2 Sequence 2, Appli
23	236	2.7	577	1	US-08-435-149-3 Sequence 3, Appli
24	236	2.7	611	2	US-09-475-460A-32 Sequence 32, Appli
25	236	2.7	611	2	US-09-748-061A-32 Sequence 32, Appli
26	235.5	2.7	574	6	5378464-3 Patent No. 5378464
27	235	2.7	830	6	5378464-2 Patent No. 5378464

28	230.5	2.7	610	1	US-08-365-470-3 Sequence 3, Appli
29	230.5	2.7	610	2	US-09-209-668-19 Sequence 19, Appli
30	230.5	2.7	610	2	US-09-009-490A-89 Sequence 89, Appli
31	230.5	2.7	610	2	US-09-949-016-5942 Sequence 5942, Ap
32	230.5	2.7	610	2	US-09-982-262C-90 Sequence 90, Appli
33	230.5	2.7	610	6	5217870-2 Patent No. 5217870
34	230.5	2.7	647	2	US-09-949-016-10272 Sequence 10272, A
35	225	2.6	1394	2	US-09-949-016-5971 Sequence 5971, Ap
36	225	2.6	1394	6	5177197-30 Patent No. 5177197
37	218.5	2.5	1025	2	US-09-834-309-5 Sequence 5, Appli
38	218	2.5	376	2	US-09-844-311-2 Sequence 2, Appli
39	215	2.5	381	2	US-09-014-240-2 Sequence 2, Appli
40	215	2.5	381	2	US-09-844-311-4 Sequence 4, Appli
41	215	2.5	440	2	US-09-014-240-4 Sequence 4, Appli
42	211	2.5	1833	2	US-08-479-722B-2 Sequence 2, Appli
43	211	2.5	1833	2	US-09-592-685-2 Sequence 2, Appli
44	211	2.5	1833	4	PCT-US95-02251-18 Sequence 18, Appli
45	209.5	2.4	324	1	US-08-310-416A-14 Sequence 14, Appli

ALIGNMENTS

RESULT 1

US-09-827-998-3

Sequence 3, Application US/09827998

Patent No. 6656700

GENERAL INFORMATION:

APPLICANT: Gu, Yizhong

APPLICANT: Shannon, Mark

TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REFERENCE: MDHMOF-8

CURRENT APPLICATION NUMBER: US/09/827, 998

CURRENT FILING DATE: 2001-04-06

PRIOR APPLICATION NUMBER: US 60/207, 456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/236, 359

PRIOR FILING DATE: 2000-09-27

NUMBER OF SEQ ID NOS: 1881

SOFTWARE: Aeomica Sequence Listing Engine

Patent No. 6656700

SEQ ID NO 3

LENGTH: 1791

TYPE: PRT

ORGANISM: Homo sapiens

US-09-827-998-3

Query Match 99.8%; Score 8592; DB 2; Length 1791;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 1555; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNONGEGSYREARTFNSQVGLPILYSGRRERLLRPEVLAIPREAFTEAWV 60

DB 234 SPPEESNONGEGSYREARTFNSQVGLPILYSGRRERLLRPEVLAIPREAFTEAWV 293

QY 61 KPEGGQNPAITAGYFDNCSHTVSDKGWALGIRSGKDKGRDARFFPSLCTDRVKKATIL 120

DB 294 KPEGGQNPAITAGYFDNCSHTVSDKGWALGIRSGKDKGRDARFFPSLCTDRVKKATIL 353

QY 121 ISHSRYQPGTWTHTVAATYDGRMALTYDGTQVASSLDQSGPLNSPFMASCSLLLGDDSS 180

DB 354 ISHSRYQPGTWTHTVAATYDGRMALTYDGTQVASSLDQSGPLNSPFMASCSLLLGDDSS 413

QY 181 EDGHYFRGHLGLTFTWSTALPQSHFQSSQSSGSEEAATDLVLTASFEPVNTWVPRDE 240

DB 414 EDGHYFRGHLGLTFTWSTALPQSHFQSSQSSGSEEAATDLVLTASFEPVNTWVPRDE 473

QY 241 KYPRLEVLQGFEPPELISPLQPLCGQTVCDNVELLISQYNGYWLPRGEKYRYQVNNIC 300

DB 474 KYPRLEVLQGFEPPELISPLQPLCGQTVCDNVELLISQYNGYWLPRGEKYRYQVNNIC 533

QY 301 DDEGLNPIVSEQIRLQHEALNEAFSRYNISNQLSVHVNSTLRHRVTLVNCPSKIGN 360

Db 534 DDEGLNPVSEEOIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN 593
Qy 361 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
Qy 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWMDKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWMDKDAVTHLG 713
Qy 481 GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVPKGVSERESCNDRPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVPKGVSERESCNDRPCKETVPSMETGDLCAD 773
Qy 541 TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV 833
Qy 601 YQOWTESRKPTPIIPBMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQY 660
Db 834 YQOWTESRKPTPIIPBMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQY 893
Qy 661 VHTASSRRVCDSSGYWTPEBAVGPPDVQPCBSLQAMSPBEVHLYHMMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSGYWTPEBAVGPPDVQPCBSLQAMSPBEVHLYHMMNTVPCPTGCSL 953
Qy 721 ELLFOHPVQADTLTLWTSFPMESSQVLFDETEILLENKESVHLGPLDTFCDIPLTIKLAHV 780
Db 954 ELLFOHPVQADTLTLWTSFPMESSQVLFDETEILLENKESVHLGPLDTFCDIPLTIKLAHV 1013
Qy 781 DGKVSQVKVYTFDERIEDAALLTSOPHSPLSGCRPVRYQVLRDPPFASGLPVVYVTHSH 840
Db 1014 DGKVSQVKVYTFDERIEDAALLTSOPHSPLSGCRPVRYQVLRDPPFASGLPVVYVTHSH 1073
Qy 841 RKFTDVEVTPGQMYQYVLAELAGBGLGEASPLNHTHGAARYCGDGKVSERLGEBCDDGDL 900
Db 1074 RKFTDVEVTPGQMYQYVLAELAGBGLGEASPLNHTHGAARYCGDGKVSERLGEBCDDGDL 1133
Qy 901 VSGDGCSKVCLEBEGNVCYGEPSLCYMEBGDGCERPERKTSIVDCGIYTPKGYLDQWAT 960
Db 1134 VSGDGCSKVCLEBEGNVCYGEPSLCYMEBGDGCERPERKTSIVDCGIYTPKGYLDQWAT 1193
Qy 961 RAYSSHEDKKKCPVSLVTGEPSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEOP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEOP 1253
Qy 1021 EGSLLKEDVWMLKVCFNRPGEARAFIFLTTDGLVPGEHQOPTVTLYLTDVSGSNHSLGT 1080
Db 1254 EGSLLKEDVWMLKVCFNRPGEARAFIFLTTDGLVPGEHQOPTVTLYLTDVSGSNHSLGT 1313
Qy 1081 YGLSCQHNPLIINVTHQONVLFHHTTSVLNFSPRVGISAVALRTSSRIGLSAPNSCIS 1140
Db 1314 YGLSCQHNPLIINVTHQONVLFHHTTSVLNFSPRVGISAVALRTSSRIGLSAPNSCIS 1373
Qy 1141 EDEGQNHQGSCHIRPCQKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQGFALQASS 1200
Db 1374 EDEGQNHQGSCHIRPCQKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQGFALQASS 1433
Qy 1201 GQYIRPMQKEILLTCSGHWQDQNSCLPVDGCVPSLNVNYANFSCSEGTFLKRCISISC 1260
Db 1434 GQYIRPMQKEILLTCSGHWQDQNSCLPVDGCVPSLNVNYANFSCSEGTFLKRCISISC 1493
Qy 1261 VPPAKLQGLSPWLTCLEBGLMSLBEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLQGLSPWLTCLEBGLMSLBEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1553
Qy 1321 YECKPGYYVAESAEGYRNKLLKIQCLEGGIWEQSCIPVCEBPPPVFEGMYECTNGFS 1380
Db 1554 YECKPGYYVAESAEGYRNKLLKIQCLEGGIWEQSCIPVCEBPPPVFEGMYECTNGFS 1613
Qy 1381 LDSQCVLNCNOERKLPILCTKEGLWTOEFKLCENLQEGCPPPSELNSVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCNOERKLPILCTKEGLWTOEFKLCENLQEGCPPPSELNSVEYKCEQGYGI 1673

Qy 1441 GAVCSPLCVIIPSDPVMLENITADTLEHMEPVKVQISVCTGRQWHPDPVLVHCIOQC 1500
Db 1674 GAVCSPLCVIIPSDPVMLENITADTLEHMEPVKVQISVCTGRQWHPDPVLVHCIOQC 1733
Qy 1501 EPPQADGWCDTINNRAYCHYDGGDCSSSTLSSKKVIPFAADCDIDECTCRDPKAEENQ 1558
Db 1734 EPPQADGWCDTINNRAYCHYDGGDCSSSTLSSKKVIPFAADCDIDECTCRDPKAEENQ 1791
RESULT 2
US-09-827-998-10
; Sequence 10, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMORE-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-10
Query Match 95.9%; Score 8263; DB 2; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Db 234 SPPEESNONGEGSYREAEFTNSQVGLPILYFSGRERLLLRPEVLAIRPRAFTVEAMV 293
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Db 294 KPREGQNNPAIIAGVFDNCSTHTVSDKQMALGIRSGKDKGRDARFFFSLSCTDRVKATIL 353
Qy 121 ISHSRYQPGTWTHVAATYDGRHMAIYVDGTOVASSLQSGPLNSPFMACSRSLGSDS 180
Db 354 ISHSRYQPGTWTHVAATYDGRHMAIYVDGTOVASSLQSGPLNSPFMACSRSLGSDS 413
Qy 181 EDGHYFRGHLGTLVFWSTALPOSHFOHSSQHSSEBEATDLVLTASPEPVNTEWVPFRDE 240
Db 414 EDGHYFRGHLGTLVFWSTALPOSHFOHSSQHSSEBEATDLVLTASPEPVNTEWVPFRDE 473
Qy 241 KYPRLEVLOGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPRLGEKVIRYQVNNIC 300
Db 474 KYPRLEVLOGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPRLGEKVIRYQVNNIC 533
Qy 301 DDEGLNPVSEEOIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN 360
Db 534 DDEGLNPVSEEOIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN 593
Qy 361 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
Qy 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWMDKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWMDKDAVTHLG 713
Qy 481 GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVPKGVSERESCNDRPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVPKGVSERESCNDRPCKETVPSMETGDLCAD 773

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Db	774	TAPT	PKSEL	CRE	PE	PTSD	TCG	FT	R	PG	A	P	T	N	S	T	D	N	C	T	D	N	F	T	P	N	O	V	A	R	H	C	Y	L	D	L	V	833																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Qy	601	YQOM	TES	R	K	P	T	P	I	P	E	M	V	I	Q	T	N	K	S	L	T	I	H	M	L	P	I	S	G	V	Y	D	R	A	S	G	L	C	A	C	T	E	D	G	T	F	R	O	Y	660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Db	834	YQOM	TES	R	K	P	T	P	I	P	E	M	V	I	Q	T	N	K	S	L	T	I	H	M	L	P	I	S	G	V	Y	D	R	A	S	G	L	C	A	C	T	E	D	G	T	F	R	O	Y	893																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Qy	661	VHTA	S	R	R	V	C	D	S	S	G	Y	T	P	E	A	V	G	P	P	D	V	D	Q	P	C	E	P	S	I	O	A	M	S	P	E	V	H	L	Y	H	M	N	T	V	P	C	P	E	C	S	L	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Db	894	VHTA	S	R	R	V	C	D	S	S	G	Y	T	P	E	A	V	G	P	P	D	V	D	Q	P	C	E	P	S	I	O	A	M	S	P	E	V	H	L	Y	H	M	N	T	V	P	C	P	E	C	S	L	953																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Qy	721	ELL	FQHP	VQ	AD	T	L	T	L	M	W	T	S	F	F	M	E	S	S	Q	V	L	F	D	T	E	I	L	L	E	N	K	S	V	H	L	G	P	L	D	T	F	C	D	I	P	L	T	I	K	L	H	V	780																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Db	954	ELL	FQHP	VQ	AD	T	L	T	L	M	W	T	S	F	F	M	E	S	S	Q	V	L	F	D	T	E	I	L	L	E	N	K	S	V	H	L	G	P	L	D	T	F	C	D	I	P	L	T	I	K	L	H	V	1013																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Qy	781	DGK	V	S	G	V	K	V	T	P	D	E	R	I	E	I	D	A	L	L	T	S	Q	P	H	S	P	L	C	S	G	C	R	P	V	R	Y	Q	V	L	R	D	P	P	F	A	S	G	L	P	V	V	T	H	S	840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Db	1014	DGK	V	S	G	V	K	V	T	P	D	E	R	I	E	I	D	A	L	L	T	S	Q	P	H	S	P	L	C	S	G	C	R	P	V	R	Y	Q	V	L	R	D	P	P	F	A	S	G	L	P	V	V	T	H	S	1073																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Qy	841	RK	F	T	D	V	E	V	T	P	G	O	M	Y	Q	Y	O	V	L	A	E	A	G	G	E	L	G	B	A	S	P	L	N	H	I	G	A	P	Y	C	G	D	K	V	S	E	R	L	G	E	E	D	D	G	L	900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Db	1074	RK	F	T	D	V	E	V	T	P	G	O	M	Y	Q	Y	O	V	L	A	E	A	G	G	E	L	G	B	A	S	P	L	N	H	I	G	A	P	Y	C	G	D	K	V	S	E	R	L	G	E	E	D	D	G	L	1133																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Qy	901	V	S	G	D	G	S	K	V	C	E	L	E	G	F	N	C	V	G	E	P	S	L	C	Y	M	Y	E	G	D	G	I	C	E	P	E	R	K	T	S	I	V	D	C	G	I	Y	T	P	K	G	Y	L	D	O	M	A	T	960																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Db	1134	V	S	G	D	G	S	K	V	C	E	L	E	G	F	N	C	V	G	E	P	S	L	C	Y	M	Y	E	G	D	G	I	C	E	P	E	R	K	T	S	I	V	D	C	G	I	Y	T	P	K	G	Y	L	D	O	M	A	T	1193																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Qy	961	RAY	S	S	H	E	D	K	K	C	P	V	S	L	T	G	E	P	H	S	L	I	C	T	S	Y	H	P	D	L	P	N	H	R	P	L	T	G	M	F	P	C	V	A	S	E	N	E	T	O	D	R	S	E	O	P	1020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Db	1194	RAY	S	S	H	E	D	K	K	C	P	V	S	L	T	G	E	P	H	S	L	I	C	T	S	Y	H	P	D	L	P	N	H	R	P	L	T	G	M	F	P	C	V	A	S	E	N	E	T	O	D	R	S	E	O	P	1253																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Qy	1021	E	G	S	L	K	G	E	D	E	V	M	L	K	V	C	F	N	R	G	E	A	R	A	I	F	I	F	L	T	D	G	L	V	P	G	H	Q	O	P	T	V	T	L	Y	L	T	D	V	R	G	S	N	H	S	L	G	T	1080																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Db	1254	E	G	S	L	K	G	E	D	E	V	M	L	K	V	C	F	N	R	G	E	A	R	A	I	F	I	F	L	T	D	G	L	V	P	G	H	Q	O	P	T	V	T	L	Y	L	T	D	V	R	G	S	N	H	S	L	G	T	1313																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Qy	1081	X	G	L	S	C	Q	H	N	P	L	I	N	V	T	H	Q	V	L	F	H	T	T	S	V	L	N	F	S	S	P	R	V	G	I	S	A	V	A	L	R	T	S	S	R	I	G	L	S	A	P	N	C	I	S	1140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Db	1314	X	G	L	S	C	Q	H	N	P	L	I	N	V	T	H	Q	V	L	F	H	T	T	S	V	L	N	F	S	S	P	R	V	G	I	S	A	V	A	L	R	T	S	S	R	I	G	L	S	A	P	N	C	I	S	1373																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Qy	1141	E	D	E	G	Q	N	H	O	G	S	C	I	H	R	P	C	K	O	D	S	C	P	S	L	L	D	H	A	D	V	N	C	T	S	I	G	P	L	M	K	A	I	T	C	Q	R	G	F	A	L	O	A	S	1200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Db	1374	E	D	E	G	Q	N	H	O	G	S	C	I	H	R	P	C	K	O	D	S	C	P	S	L	L	D	H	A	D	V	N	C	T	S	I	G	P	L	M	K	A	I	T	C	Q	R	G	F	A	L	O	A	S	1433																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Qy	1201	G	O	Y	I	R	P	M	O	K	E	I	L	L	T	C	S	S	G	H	M	D	O	N	V	S	C	L	P	V	D	C	G	V	P	D	S	L	V	N	Y	A	N	F	S	C	S	E	G	T	K	L	K	R	C	S	I	S	1260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Db	1434	G	O	Y	I	R	P	M	O	K	E	I	L	L	T	C	S	S	G	H	M	D	O	N	V	S	C	L	P	V	D	C	G	V	P	D	S	L	V	N	Y	A	N	F	S	C	S	E	G	T	K	L	K	R	C	S	I	S	1493																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Qy	1261	V	P	P	A	K	L	Q	G	L	S	P	M	L	T	C	L	E	D	G	L	S	L	P	E	V	Y	C	K	E	C	D	A	P	I	I	N	A	N	L	L	P	H	C	L	O	D	N	H	D	V	G	T	I	C	1320																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Db	1494	V	P	P	A	K	L	Q	G	L	S	P	M	L	T	C	L	E	D	G	L	S	L	P	E	V	Y	C	K	E	C	D	A	P	I	I	N	A	N	L	L	P	H	C	L	O	D	N	H	D	V	G	T	I	C	1553																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Qy	1321	Y	E	C	K	P	G	Y	V	A	B	S	A	E	G	K	V	R	N	K	L	I	Q	C	L	E	G	I	W	E	G	S	C	I	P	V	C	E	P	P	P	V	F	E	G	M	E	C	T	N	G	S	1380																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Db	1554	Y	E	C	K	P	G	Y	V	A	B	S	A	E	G	K	V	R	N	K	L	I	Q	C	L	E	G	I	W	E	G	S	C	I	P	V	C	E	P	P	P	V	F	E	G	M	E	C	T	N	G	S	1613																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Qy	1381	L	D	S	Q	V	L	N	C	N	O	B	E	R	E	K	L	P	I	L	T	C	K	E	G	L	W	T	O	E	F	K	L	C	E	N	L	O	G	E	G	P	P	P	S	E	L	N	S	V	E	Y	K	E	O	G	Y	I	1440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Db	1614	L	D	S	Q	V	L	N	C	N	O	B	E	R	E	K	L	P	I	L	T	C	K	E	G	L	W	T	O	E	F	K	L	C	E	N	L	O	G	E	G	P	P	P	S	E	L	N	S	V	E	Y	K	E	O	G	Y	I	1673																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Qy	1441	G	A	V	C	S	P	L	C	V	I	P	P	S	D	P	V	M	L	P	E	N	I	T	A	D	T	L	E	H	M	E	P	V	K	V	O	S	I	V	C	T	G	R	R	Q	M	H	P	D	P	V	L	V	H	C	I	Q	S	1500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Db	1674	G	A	V	C	S	P	L	C	V	I	P	P	S	D	P	V	M	L	P	E	N	I	T	A	D	T	L	E	H	M	E	P	V	K	V	O	S	I	V	C	T	G	R	R	Q	M	H	P	D	P	V	L	V	H	C	I	Q	S	1733																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Qy	1501	E	1501																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

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; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 16
;
; LENGTH: 1385
;
; TYPE: PRT
;
; ORGANISM: Homo sapiens
;
US-09-827-998-16

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Query Match	71.1%;	Score 6126;	DB 2;	Length 1385;	
Best Local Similarity	73.6%;	Pred. No. 0;			
Matches 1147;	Conservative	0;	Mismatches	5;	Indels 406;
					Gaps 1;
QY	1	SPPEESNONGEGSGYREAEFTNSQVGLPILYSGRRERLLRPEVLAEIPREAEFTVEAW	60		
DB	234	SPPEESNONGEGSGYREAEFTNSQVGLPILYSGRRERLLRPEVLAEIPREAEFTVEAW	293		
QY	61	KPEGGQNNPAAIAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFSLCTDRVKATIL	120		
DB	294	KPEGGQNNPALIA-----	306		
QY	121	ISHSRYPGCTWTHVAATYDGRMALYVDGTQVASSLDQSGPLNSPFMASCRSLLGDS	180		
DB	307	-----	306		
QY	181	EDGHYFRGHLCTLVFWSTALPQSHFQHSQHSGBEATDLVLTASFPVNTENWVFRDE	240		
DB	307	-----	306		
QY	241	KYPRLEVLQGFEPPEILSPLOPPLCGQTCVCDNBELISQYNGYWLREGKVIROYVNIC	300		
DB	307	-----	306		
QY	301	DDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVNSTLRHRVVLNCEPSKIGN	360		
DB	307	-----	306		
QY	361	DHCDPECEHPLTGYDGGDCRLQGRCYSMNRRDGLCHVECNNMLNDFDDGCCDPQVADVR	420		
DB	307	-----	306		
QY	421	KTCFPDPSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGATWPMWDXAVTHLG	480		
DB	307	-----G	307		
QY	481	GIVLSPAYYGMPGHTDTMIHEGVHLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD	540		
DB	308	GIVLSPAYYGMPGHTDTMIHEGVHLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD	367		
QY	541	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	600		
DB	368	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	427		
QY	601	YQOOTESRKPTPIPPMWIGQTNKSLLTIHMLPRTISGVYVYDRASGLCGACTEDGTFRQY	660		
DB	428	YQOOTESRKPTPIPPMWIGQTNKSLLTIHMLPRTISGVYVYDRASGLCGACTEDGTFRQY	487		
QY	661	VHTASSRRVCDSSGYMTPEEAVGPPDVDQPCBPSLQAWSPEVHLYHMMNTVPCPTBGCSL	720		
DB	488	VHTASSRRVCDSSGYMTPEEAVGPPDVDQPCBPSLQAWSPEVHLYHMMNTVPCPTBGCSL	547		

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QY      721 ELLFQHPVQADTLTLMWTSFFHESSQVLFDTIELLENKESVHLGLPDTFCDIPLTIKLAH 780
      |||
      548 ELLFQHPVQADTLTLMWTSFFHESSQVLFDTIELLENKESVHLGLPDTFCDIPLTIKLAH 607
QY      781 DGKSVGVYTYTFDERIEIDAAALTSQPHSPLSCGCRPVRYQVLRDPPFASGLPVVTHSH 840
      |||
      608 DGKSVGVYTYTFDERIEIDAAALTSQPHSPLSCGCRPVRYQVLRDPPFASGLPVVTHSH 667
QY      841 RKFTDVEVTPGQMYQYQVLAAGELGEASPLNHIHGAPYCGDGKVSERLGECCDDGL 900
      |||
      668 RKFTDVEVTPGQMYQYQVLAAGELGEASPLNHIHGAPYCGDGKVSERLGECCDDGL 727
QY      901 VSGDGSKYCELEEGFNCVGBPSLCYMYEGDICEPERKTSIVDCGITYTPKGYLDQWAT 960
      |||
      728 VSGDGSKYCELEEGFNCVGBPSLCYMYEGDICEPERKTSIVDCGITYTPKGYLDQWAT 787
QY      961 RAYSSHEDKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPVASENETQDDRSBP 1020
      |||
      788 RAYSSHEDKKCPVSLVTGEPHSLIRTSYHPDLPNHRPLTGMFPVASENETQDDRSBP 847
QY      1021 EGSLLKKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQPTVTLYLTDVGRGSNHS LGT 1080
      848 EGSLLKKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQPTVTLYLTDVGRGSNHS LGT 907
QY      1081 YGLSCQHNPLIINVTTHQNVLFHHTTSVLLNFSSPRVGISAVALRTSSRIGLSAPSNCIS 1140
      |||
      908 YGLSCQHNPLIINVTTHQNVLFHHTTSVLLNFSSPRVGISAVALRTSSRIGLSAPSNCIS 967
QY      1141 BDEGQNHGQSCIHPRCGKQDSCPSLLLDHADVNVCTSIGPLMKCATTCQRGFALQASS 1200
      |||
      968 BDEGQNHGQSCIHPRCGKQDSCPSLLLDHADVNVCTSIGPLMKCATTCQRGFALQASS 1027
QY      1201 GQYIRPMQKEILLTCSSGHWDQNVSCLPVDCGVPDPBSLVNYANFSCSEGTKFLKRCISISC 1260
      |||
      1028 GQYIRPMQKEILLTCSSGHWDQNVSCLPVDCGVPDPBSLVNYANFSCSEGTKFLKRCISISC 1087
QY      1261 VPPAKLQGISPWLTCLEDEGLMSLPBVCYCKLECDAPPIILNANLLPHCLQDNHVDGTICK 1320
      |||
      1088 VPPAKLQGISPWLTCLEDEGLMSLPBVCYCKLECDAPPIILNANLLPHCLQDNHVDGTICK 1147
QY      1321 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEBPPPVBEGMYECTNGFS 1380
      |||
      1148 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEBPPPVBEGMYECTNGFS 1207
QY      1381 LDSQCVLNCQERREKLPILCTKGLMTQEFKLCENTQGECPRPPESELSVEYKCEQGYGI 1440
      |||
      1208 LDSQCVLNCQERREKLPILCTKGLMTQEFKLCENTQGECPRPPESELSVEYKCEQGYGI 1267
QY      1441 GAVCSPLCVIIPSDPVMLEPENTADTLEHMEPVKYQSI VCTGRQWHPDPVLVHCIOQC 1500
      |||
      1268 GAVCSPLCVIIPSDPVMLEPENTADTLEHMEPVKYQSI VCTGRQWHPDPVLVHCIOQC 1327
QY      1501 EPPQADGWCDTINNRAYCHYDGDCCSSTLSSKVTIPFAADCDLDECTCRDPKABENQ 1558
      |||
      1328 EPPQADGWCDTINNRAYCHYDGDCCSSTLSSKVTIPFAADCDLDECTCRDPKABENQ 1385

RESULT 4
US-09-949-016-9436
; Sequence 9436, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9436
; LENGTH: 717
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9436

Query Match      19.8%; Score 1709; DB 2; Length 717;
Best Local Similarity 43.0%; Pred. No. 2.2e-139;
Matches 310; Conservative 140; Mismatches 237; Indels 34; Gaps 14;

QY      851 GOMYOYLAEAGGELGEASPLLNHIAPIYCGDGKVSERLGEEDDGLVSGDCSKVC 910
        | :| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB       6 GSVYQYWITISGTESESPPAVTYIHSGYCGDGI IQKDQEGCDDMNKINGDCSLFC 65

QY      911 ELEEGFNCSVGPSLCMYEGDGI CEPPERKTSIVDCGIYTPKGILDOWATRAYSHDKK 970
        | |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB      66 RQEVSFNCIDEPSRCYFHDGDGVCEEFGKTSIKDCGVYTPPGFLDQWASNASVSHD-Q 124

QY      971 KCPVSLVTGER-HSLICTSYHPDLPHNRPLTGMFPVASENETQDDRSEQPEGS LKKEDE 1029
        |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     125 QCPGWVITIGPAAASQVCRKTVIDLSEGTSQHAWYPC TISYPYSQ-----LAQT 173

QY     1030 VMLKVCFNRPGEARAIFFLTDTDLVPGEHQPTVTLYLTVDVRGSNHS LGTYGLSCQHP 1089
        ||: |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     174 FWLRAYFSQPWVAALAVI VHLYTDGTYYGDQKETISVOL DTDKQSHDLGLHLVLSGRNP 233

QY     1090 LIINVT HQNVLFHHITTSVLNLFSSPRVGISAVALRTSSRIGLSAPSN CISDEGQNHG 1149
        ||| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     234 LIIPVHDL SQPFYHSQAVRVSFSSPLVAISGVALRSFDNFDPVTLSSC-QRG ETTSPAE 292

QY     1150 QSCIHRPCKODSCPSSL LDHADVNCTSI---GPGLMCAITCQRGFALQASSGQYIR 1205
        ||| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     293 QSCVHFACEKTD-CPELAVENA-YLNGSSSDRYHG--AQCTV SCRTGYVLQ IRRDELI 347

QY     1206 PMQ--KEILLTCSSGHWDQNSCLPVDCGVPPDSPLVNYANFSCEGT KFLKRCSISCVP 1263
        |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     348 KSQTGPSVTVTCTEGKMKNQVACEPVDCS IPDHQVYAASFSC EGTTFGSQCSFQCRHP 407

QY     1264 AKLGSLPWLITCLEDELMSLP EYVKCLECDARPIILANLLPHCLQDNHDVGTICKYE 1323
        |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     408 AOLKGNNSLLTCMEDGLMSFPALCELMCLAPPVP NADLQTA RCRENKHKVGSFCKKYKC 467

QY     1324 KPGRYVAESAEGKVRNKLIKIQCLEGGIWEQGSCIPVVC EPPRPVFEGMYECTNGFSLDS 1383
        ||| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     468 KPGRYHVPGSSR-KSKGRAFKTQCTQDGSWOEGACVPVTC DPPPKFHGLYQCTNGFOFNS 526

QY     1384 QCVLNC-----NQEREKLPI LTCKEGLWTQEFKLCENLOGECPPPS ELANS-V EYKCEQG 1437
        |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     527 ECRICKCEDSDASQGLGS NVIHC RKDGTWNGSFHVQC EMQQGC-SV PNELNSNLKLQCCPDG 585

QY     1438 YGIGAVCSPLCVIPPSDPV MLPENITADLTLEHMMEPVKQSI VCTGRRQMHPDVLVHCI 1497
        ||: |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     586 YAIGSECATSCLDHNSESI ILPMNVTVARDI PHMLNPT RVERVVCTAGLK WYPHPALIHCV 645

QY     1498 QSCEPFOADGWCDTI NNRA YCHYDGDCCSSTLSSKKVIPFA ADCDLID-E CT CRDPKAEB 1556
        |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
DB     646 KGCEPFMGDNYCDA INNRAF CNYDGDCTSTVTKTKVTPF PMSCDLQGD CACRDPQAQE 705

QY      1557 N 1557
        ;
DB      706 H 706

RESULT 5
US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF

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; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 3594
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1757)..()
; OTHER INFORMATION: Xaa = any or unknown amino acid
US-09-911-842A-4

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Query Match 3.9%; Score 336.5; DB 2; Length 3594;
Best Local Similarity 19.2%; Pred. No. 9e-19;
Matches 343; Conservative 189; Mismatches 626; Indels 629; Gaps 99;

QY	53	AFTVEAWVKPEGQNNPAIIAGVF----	DNCSHTVSDKGMALGIRSGDKDKRDARFFFS	108
Db	1476	AVTCAFWMKSSDIVINGTPIISYALMEDDKDNTFLLTDYNGWVLVY-NGKEK-----		15244
QY	109	LCTDRVKATILISHSRYPQGTWVAATVD--GRHMAIYVD-----GTQVASSLDQ	158	
Db	1525	-----ITNCPVNDGIMHIAITWTSIGAMRVYIDGELSDGTGLSIGKAIPG	15733	
QY	159	SGPLNSPFMACSRLLLGDDSSBDHYER-----GHIGTLVFNSTAL-PQSHFQHSQH	211	
Db	1574	GG-----ALVVGQEQDQKGEGFNPAPASFVGSISQNLMDYVLSPOQVKLLAS--	1620C	
QY	212	SSGEEBATDVLVTASFEPVNTENVPRDEKYPRLV-----LQFEPEPEILS	259	
Db	1621	SCPEELSRGNVLA-----MEDFLSGITGKVKVDSSSMFCSDCPSLEGSVPHLRPAS	16711	
QY	260	PLQPELGGQTV--CD-NVELIS--QY--NGYW--PLRGEKYIRYQVNICDDEGLNP	307	
Db	1672	GNRKP--GSKVSLFCDDPGFQWGNBPVQYCLNQGWTOPLPHCERIR-----C--GLPP	1720C	
QY	308	IV-----SEEQIRLQHEALNEAFSRY-----NISQLSVHQVHNSTLRHRVVL	350	
Db	1721	ALENGFYSAEDFHAGSTVTVQCTSGYLLGDSRMFCXDNQSWN-----	17633	
QY	351	VNCEPSKIGNDHCDECEHPLTGYDGDGDCRLQGRCYSWNRDGLCHVECNNMLNDFDDGD	410	
Db	1764	-GISPSCLDVDECAV-----GSDCSEHASCLNTN--GSTYCSCNPPYTG-DGKN	1808B	
QY	411	CCDPQVADVVRTCFDPDPSPKRAYMSVKELKEALQLNSTHFLNTFYASSVREDLAGAA---	467	
Db	1809	CAEP-----VKCKAPENPENGRSS--GBIYTVGTA---VTFSCDEGHELVGVTIT	18544	
QY	468	---TWPMWK---DAVTHLGGIYISPAYYGMPGHDTMIHEVGHVLGLYHVEKVS--	516	
Db	1855	CLETGEWDLRLPSCBAIS--CGVPPYPENGVDSAFYTGSKV-----VYRCDKGYTLLSG	19077	
QY	517	-BRESNCNDPCKETVPSPMETGDLCADTAPTPKSELCREPEPTSD---TCGFTRFPGAPFT	571	
Db	1908	DEESAC-----LASGS-WSHSSPVCGLVKCSQPEDINNKGXILSGLT-----	1948B	
QY	572	NYMSYTDNCTDNFTPNQVARMHCYLDLVYQQWTSRKPTPIPIPMYIGQ--TNKSLTI	629	
Db	1949	-YLSIASYSCENGYSLQGPSSLLECTASGSWDRAPSPCQLVSCGCEPPIVKDAVITGSNFTF	20070	
QY	630	HMLPISGVVYDRASGSLGCACTEDGTFRQYVHTASSRRVCDSSGYWTPEB---AVG--	683	
Db	2008	-----GNTVAYYTCKEG-----YTLAGPDITICQANGKMNSSNHQCLAVS	2048B	
QY	684	-PPVDVQPCPEPSLQAWSPEVHLYHNMVTVPCTEGCSLELLPQHPVQADTLTLWVTSFFM	742	
Db	2049	EBPNVDHA-----SPET-----AHLRFGDT-----AFYYC	20733	

Qy	743	ESSQVLFDTEILLBNKESVHLGP-----LDTFCDIPLTIKLVHDGKVSQVYV-----	789
Db	2074	ADGYSLADNSQLICNAQNMVWPAGQAVPRCIAHFCEKPEPSVSYSILESVSRAKFAAGSV	2133
Qy	790	-----YTFDERIEIDALLTSQPHSPSCGCRPVRYQVLRDP-FAAGLP-----	833
Db	2134	VSPKCMGEFVLNTSAKIECLRGGEWSPSPLSVQCIPIVR--CGEPPIANGYPSGTNYSF	2190
Qy	834	--VVVTHSHRKFTDVEVTPGQMY--QYQVLAEGAGELGEASPLNHI--HGAPYCGDGK	886
Db	2191	GAVVAVYSCHKG-----YIKGEKSTCEATGQWSKPTPTCHPVSCHNBPKEVENG	2240
Qy	887	USERLGE-----ECDGDGLVSGD-----GCSK-----	908
Db	2241	LEHTTGRTFESBARFOQNPGYKAAGSPVFCQANRHHSDAPLSTPLNGCKPPIQNGF	2300
Qy	909	-----VCELEGEFNCVGEPSLCMYEBDGCERFERKTSIVDCGITYPKGY	954
Db	2301	LKGESEFVGSKVQFVC--NEGVELVGDNSWTCQSKGWSKKP--SPKCVPTKCAEPPL	2355
Qy	955	LDQWATRAYSSHEDKKKCPVSLVT--GEPHSLICTSYHPDLPNHRPLTGMP-----C	1005
Db	2356	ENQVLVKELASE-----VGVMTISCKEGHALQPSVCLKCLPSGQ-WNGSFPICMVL	2407
Qy	1006	VASENETQDDRSEQPEGSLKKBEVWLKVCENRPEHARAIFI---FLTTDGLVGEHQ	1060
Db	2408	-----PSPPL-----IPFGVASSGALHFGSTVKYLCVDGPF--LRG	2442
Qy	1061	QPTVTLYLTVDVRGSNHSIGTYGLSCQHNPLIIN-VTHQNVLFHHTTSVLLNFSSPRVGI	1119
Db	2443	SPTI-LQADSTWSSPLEBCVPVECPQPEIILNGIITHVQGLAYSTLLYTCRKPHELVG-	2500
Qy	1120	SAVAL--RTSSRIG--LSAPSNCSIDEGQNHQ-----GQ-----	1150
Db	2501	NATTLGCGENGWLGCKPCKPIECPEKEILNGQSSVSFOYQGITIFYCDRGFRLEGP	2560
Qy	1151	--SCIHRPCGKQDSCPSLLDHDADVNCSTIGP---GLMKCA-----ITCORGFAL	1196
Db	2561	SLTCLB--TGDWMDMP---PSCDAIHCSDPQPIENGFBGADRYGAMTIYSCPRGFQV	2614
Qy	1197	QASSGQYIRPMQKEILITCSSGHW-DQVNSCLPYDCGVPD-----	1235
Db	2615	LGHAMQ-----TCRESGWSSSPTCVPIIDCGLPRIHDFGDCTKVRDQGHFDQ	2663
Qy	1236	-----PSLVNYANFSCSEGRKFL--KRCSISCVPPAKLOGLSPMLT	1274
Db	2664	DDMMEVPPYLAHPQHLAATAKALENTKESPASHASHFLYGTMVSYSCERGYELLGI-PVLI	2722
Qy	1275	CLIEDGLMSLPEVYC-KLECDAPRIILNANLLPHCLQDNHDTVITCKYECKPGYVAESA	1333
Db	2723	QOEDGTWNGTAPSCSISIECDLPVAPENGFL--HFTQTT--MGSAAQYSCKPGHILEGSH	2777
Qy	1334	BGKVRNKLKIQCLEGGIWEQGS--CIPVVCBPBPVFEF-----MYECTN	1377
Db	2778	-----LRL-CLQNRQW-SGTVPRCBAISCSKRNPLMNGSIKGDYSYLGVLVYECDS	2827
Qy	1378	GFSLDSQCVLNCGNREKPLILCTKEGLWTQEFKLCENTLQGECPRPSELN-----	1428
Db	2828	GYLINGSKRTCOENRD-----WDGHEPNC--IPVDCGSPRPVTNGRVRKEEYT	2874
Qy	1429	---SVEYKCEQGY-----GIGAVCSPL-CVIPPSPDPVMLPENITADTL	1467
Db	2875	FOKEITYSCREGFILBGAARSKICLTNGSWSGATPSCMPVRCPARPQVP-----NGVADGL	2929
Qy	1468	E-----HMMEPYVQS--IVCTGRRQWHPDVLVHCIQSCBP	1502
Db	2930	DYGFKEVAFHCLLEGYVLQGAAPRLTQOSNGTWAR-----VPVCKP	2970

RESULT 6
US-09-911-842A-2
; Sequence 2, Application US/09911842A
; Patent No. 6656707

;H.;MAKRIDES, SAVVAS;MARSH, HENRY C. JR.
; TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
; RECEPTOR 1 (CR1) AND A THROMBOLYTIC AGENT, AND THE METHODS OF
; USE THEREOF
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588,128
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1988
; SEQ ID NO:10:
; LENGTH: 1847
5256642-10

Query Match 3.3%; Score 287.5; DB 6; Length 1847;
Best Local Similarity 19.1%; Pred. No. 5.6e-15;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;

QY 221 IYLTASFEPVNT-BWVPF-----RDE-----KXPRLEVLOGFEPEBELSPLQPL-- 265
DB 39 IALPVAMGQCNAPFWLFPARPTNLDEFEPIGTLYLNECPRGYSGRPSIICLKNSVWT 98
QY 266 -----CGQTVCDN-----VELISQNGYMWPLRGKVI 292
DB 99 GAKDRCRKRSCKRNPDPVNGMVHVIKIQFGSQIKYSCYKRYRLIGSSSATCIISGDTVI 158
QY 293 RYQVNVICD--DEGLNPVSEQIRLOHEALNEAF--SRYNISWQLSVHQVHNSTLRHR 347
DB 159 WDNETPICDRIPCGLPPTIT-----NGDFISTNRENPHY-----GS 194
QY 348 VVLVNCEPSKIGND-----HCDPECEHPLTGYDGG--DCRLQGRCYSWNRDGL 394
DB 195 VYTYRCNPGSGRKVFELVGEPSIYCTSDNQ--VGIMSGPAPQCIIPNKCTPPNVENG 252
QY 395 CHVECNMM--LNDFDDGDC-----C-----DPQVADVKTCTFDPSPKRAY 433
DB 253 LVSDNRSLFSLNEVVEFRQCPVFMKGRPRVKCOALNKWEPELPSCSRVCQPPDLHA- 311
QY 434 MSVKELKEALQLNSTHF--LNIYFASSVREDLAGAATW-----PWKDAVT----- 477
DB 312 -----ERTQDKDNFSPGQEVFYSCBPGYDLRGAASMRCTPOGDWSPAAPTCEYKSCD 364
QY 478 -----HLGGIVLSPAYYGMPGHTDTMIHEVGHVIG--LYHVEKG-----VSERE 519
DB 365 DEMGQLNGRVLFPVNLQGAKVDFVCEGFLKSSASACVLAGMESLWNSVAPCEQI 424
QY 520 SCNDPCKETVPS-METG-----DLCAD----- 540
DB 425 FC--PSPPIPNGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPQGN 482
QY 541 ---TAPTKSEL---CREPE-----PTSDTCGFTFRP---GAPFTNYS 575
DB 483 GVMSSPAPRCGILGHCOAPDHFLFAKLKTQTNASDFPIGTSLSKYECPREYGRPS- 538
QY 576 YTDNCTDNF--TPNQVAMHCYLDLVYQWTESRKPPIPIPMV----- 619
DB 539 ---ITCLDNLWSSPKDVCK-----RKSKTTPDPVNGMVHVTIDIVGSRIN 583
QY 620 -----IGQTNKSLTI-----HW-LPI-----SGVVYDRASGSLGACTEDGTFR 658
DB 584 YSCTTGRLIGHSSABCIISGNAHWSKPIQRIPOGLPPTIANGDFI-----STNR 637
QY 659 QYVHTAS--SRVCDSSGYWTPEAVGPPDV-----DQPCBPSLQAWS--PEVHLYHMM 709
DB 638 ENFHYGSVVTYRCNPGSGRKVFELVGEPSIYCTSDNQ--VGIMSGPAPQCIIPNK 692
QY 710 TVPCPTEGCSLELLFQHPVQADTLTLWMTSFFMSSQVLFDTLEILL--NKSIVHLGPL 766

DB 693 CTRPNV-----NGILVSDNRSLFSLNEVVEFRQCPGFVMKGR 731
QY 767 DTFCDIPLTIKLVGKYSVKVYTFDERIEIDALLTSQPHSPLCG--CRPVAYOVLRD 825
DB 732 RVKQ-----ALNKWEPELPSCSRVCQ----- 754
QY 826 PPFASGLPVVVTSHRKPTDVE-VTPGOMYQYVLAEGGEL-GEAS---PPLNIHGA 879
DB 755 -----PPDLHAERTQDKDNFSPGQEVFYSCBPGYDLRGAASMRCTPOGDWSPA 805
QY 880 PYCG-----DGK-----VSERLGBE-----CDDGDLVSGDGS----- 907
DB 806 PTCEVKSCDDFMGQLNGRVLFPVNLQGAKVDFVCEGFLKSSASACVLAGMESLWN 865
QY 908 ---KVCE-----LB-----EGFNCVGERPSL-C 925
DB 866 SSVFVCEQIFCPSPIVINGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRC 925
QY 926 YM-YEGDI-----CE-----PPEKTSIVDCGIY-----PKGY-- 954
DB 926 TSDPOGNGVWSSPAPRCGILGHCOAPDHFLFAKLKTQTNASDFPIGTSLSKYECPREYGR 985
QY 955 -----LDQWATRAYSHED--KKKC--PVSIVTGEPSHLI-----CTSYHPD 992
DB 986 PFSITCLD--NLVWSSPKDVCKRKSCKTPDPVNGMVHVTIDIVGSRINYSCTGH-R 1041
QY 993 LPNHR-----PLTGWPC-----VASENETQDRSEQPEGLKKEDEV 1030
DB 1042 LIGSSSABCIISGNTAHWSKPIQRIPOGLPPTIANGDFISTNRENPHYGSV----- 1095
QY 1031 WLKVCFNRPGEARATF-----IFLTIDG-----LVPEHQOPTYT--LYL 1068
DB 1096 -VTYRCNLGSRGRKVFELVGEPSIYCTSDNQYGIWSGPAPQCIIPNKCTPPNVENGILV 1154
QY 1069 TDVRGSNHSL-----GTYGLSCQ-----HNPLITVTHQVNLFH 1103
DB 1155 SD---NRSLSLNEVVDVFCQPGFVMKGRPRVKCOALNKWEPELPSCSRVCQPPBELH 1210
QY 1104 --HTSVLLNFSSPRVIGISAVALTTSRIGLSAPNSCISEDEQNHOGSCIRPCGKQ- 1160
DB 1211 GEHTPSHQDNFSP-----GQEVFYSC--EPGYDLRGAASLH--CTPQG 1249
QY 1161 -----DSCPSSL--LDHADVVNCTSIGPGLMKCAITCQRFALQASSGQYIRPM 1207
DB 1250 WSPBAPRCVAKVSCDDFLGQLPHGRVLPPLNLQLG-AKVSFVCEGFLKSSVSH----- 1304
QY 1208 QKEILLTSSGHWQNVS-CLPVDGCVDPDSLNVYANFSCSEG-TKFLKCSISCV- 1262
DB 1305 ---CVLVGMRSLMNNNSVPVCEHIFCPNP-PALINGRHTGTPSGDIPYKGISYTCDPHPD 1360
QY 1263 ---PAKQGLSPWLTCLD---GLWSLPEYVCKL-----ECDAPITIANLPHCLQ 1310
DB 1361 RGMTFNLIIGEST-IRCTSDPHGNGVWSSPAPRCVLRAGHCKTPEQPPASPPI- 1417
QY 1311 D-NHDVGTICKYECKPGYVVAESAGKVRNKLKIQCLEGIWE--QGSCI PVNCEPPPP 1367
DB 1418 DFEFPVGTSLNVECRPGYF-----GKMFSISCLENLWSSVEDNCRKSCGPBPB 1467
QY 1368 VEEGM-----YECTNGFSL-----DSQCVLANCNOBREKLPILCTKEGLMTQE 1409
DB 1468 PFNGMVHINTDQFGSTVNYSCNEGFRLLGSPSTCLVSGNNV-----TWDKK 1515
QY 1410 FKLCENLQGECPPPSELNS-----VEYKCEQGYG----- 1439
DB 1516 APICEIT--SCBPPPTISNGDFYSNNRTSFHNGTVVTTYQCHTGPDGEQLELVGERSIYC 1573
QY 1440 -----IGAVCSP-----LCVIRP--SDPVLMPENIT---ADTLEHMEP---VKV 1476
DB 1574 TSKDDQVGWSSPPPRCISTNKCTAPEVENAIRVPGNRSFSLTEIRFRQCPGFVMVGS 1633
QY 1477 QSIIVCTGRQWHPDVLVHCIOGCEP 1502
DB 1634 HTVQCGTNGRW--GPKLPHCSRVCP 1657

```

RESULT 8
5472939-10
; Patent No. 5472939
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138,825
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588,128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1988
; SEQ ID NO:10:
; LENGTH: 2006
5472939-10

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Query Match	3.3%;	Score 287.5;	DB 6;	Length 1847;
Best Local Similarity	19.1%;	Pred. No. 5.6e-15;		
Matches 349;	Conservative 178;	Mismatches 548;	Indels 751;	Gaps 105;

[illegible]

Db	584	YSCTGTHRLIGHSSAECILSGNAAHMSTKPPICQRI	PCGGLPTIANGDFI	-----	STNR	637
QY	659	QYVHTAS--SRRVCDSSGYWTPBEAVGPPDV-----	DQCPESLQAWS--PEVHLYHMM	709		
Db	638	ENFHYGSVWTVYRCNPGSGGRKVFELVGEPSICTSNDQ----	VGIWGPAPQCIIPNK	692		
QY	710	TWPCPTEGCSLELLEFQHPVQADTLTLWVTSFMESSQVLFDTLELLE----	NKESVHLGPL	766		
Db	693	CTPBNVE-----	NGILVSDNRSLFSLNEVVEFRCQPGFWMKGR	731		
QY	767	DTFCDIPLTIKLHVHGKVSQVVTFFDERIEIDALLTSQPHSPLCSG--	CRPVRYQVLRD	825		
Db	732	RVKCQ-----	ALNKMEPELPSCSRVCQ	-----	754	
QY	826	PPFASGLPVVVTSHSRKFTDVE--VTPGQMYQYVLAEGGEL--GEAS----	PPLNIHGA	879		
Db	755	-----PPDVLHAERTQDKDNFSPGQEVFYS--	CEPGYDLRGASMRCTPGDWSPPA	805		
QY	880	PYCG-----DGK----	VSERLGE-----CDDGDLVSGDCS-----	907		
Db	806	PTCEVKSCTDDFMGOLLNGRVLFPVNLOLGAKVDFVCEGFLKGSSASYCVLAGMESLWN	865			
QY	908	---KVCE-----	LE-----	EGFNCVGEPSL--C	925	
Db	866	SSVPVCEQIFCPSPPVIPNGRHTGKPLEVPPFGKAVNYTCDPDPDRGTSFDLIGESTIRC	925			
QY	926	YM-YEGDGI-----	CE-----	PFERKTSIVDCIYT-----	PKGY--	954
Db	926	TSDPQNGVWSSPAPRCGILGHCAQPDHFLFAKLTQTNASDPITGSLKYECRPEYYGR	985			
QY	955	-----LDQWATRAYSSHED--KKCC--	PVSLVTGEPHSLI-----	CTSYHPD	992	
Db	986	PFSITCLD--NLVWSSPKDVCKRKSCKTPDPDNGMVHVITDIQVGRINYSCTGH--R	1041			
QY	993	LPNHR-----	PLTGMFPC-----	VASENETQDDRSEQPEGSLKKEDEV	1030	
Db	1042	LIGHSSAECILSGNTAHMSTKPPICQRI	PCGLPTIANGDFISTNRENFHYSV-----	1095		
QY	1031	WLKVCFNRPGEARAF-----	IFLTTDG-----	LVPEHQOPIYT--LYL	1068	
Db	1096	-VTYRCNLGSRGRVFEVLGEPSICTSNDQYGIWGPAPQCIIPNKCTPBNVENGILV	1154			
QY	1069	TDVGRSNHSL-----	GTYGISCQ-----	HNPLINVTTHQNVLFH	1103	
Db	1155	SD-----	NRSLFSLNEVDFRCQPGFVMKGPFRAYCQALNKMEPELPSCSRVCQBPPEILH	1210		
QY	1104	--HTSVLNFSSPRVGISAVALTSSRIGLSAPNSNCISEDEGQNHOGOSCIHRPCGQ--	1160			
Db	1211	GEHTPSHODNFSP-----	GQEVFYSC--	EPGYDLRGASLH--	CTPQ	1249
QY	1161	-----	DSCPSLL--LDHADVNCSTISIGLIMKCAITCQRGFALQASSGQYIRPM	1207		
Db	1250	DWSPAPRCVAKVSCDDFLQQLPHGRVLFPLNLQLG--AKVSFVCEGFRLLKSSVSH----	1304			
QY	1208	QKEILLTSSGHWQNVNS--CLPVDGVPDPISLVNYANFSCSEG--TKFLKRCGISVCV--	1262			
Db	1305	---CVLVGMRSLMNNNSYVPVCEHIFCPNP--	PALINGRHTGTSPGDI	PYGEKISYTCDPHPD	1360	
QY	1263	---PAKQGLSPWLTCLED--	GLWSLPEVYCKL-----	ECDAPIILNANLLPHCLQ	1310	
Db	1361	RGMTFNLIGEST--IRCTSDPHGNGVWSSPAPRCEL	SVRAGHCKTPEQFPASPTIF--	IN	1417	
QY	1311	D-NHDVGTICKYECKEGYVVAESAEGKVRNKLKIQCLEGGIWE--	QGSCTPVVCEPPPP	1367		
Db	1418	DPEFPVGTSLNYECRPGYF-----	GKMPSISCIENLVWSSVEDNCRKSGCPPPE	1467		
QY	1368	VFEGM-----	YECTNGFSL-----	DSQCVLNCQNEREKL	PILCTKBLMTQ	1409
Db	1468	PFNGMVHINTDQFGSTVWYNSCNEGFRLLGSPSTYCLVSGNNV-----	TWDK	1515		
QY	1410	FKLCENLQGECPPELS-----	VEYKCEQGYG-----	1439		
Db	1516	APICEIIT--SCEPPPTISNGDFYSNNRTSFHNGITVYTYQCHTGPDGEQLFELVGRSICYC	1573			

QY 1440 -----IGAVCSP-----LCVIP-SDPVMLENIT-----ADTLEHMMEP-----VKV 1476
Db 1574 TSKDDQVGVWSSPPRCISTNKCTAPEVENAIRVPGNRSFSLTEIIRFCQPGFVWGS 1633
QY 1477 QSIVCTGRQWHPDPVLVHCIOGCEP 1502
Db 1634 HTVQCQTNGRW--GPKLPHCSRVCQP 1657
RESULT 9
5256642-2
; Patent No. 5256642
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
; RECEPTOR 1 (CR1) AND A THROMBOLYTIC AGENT, AND THE METHODS OF
; USE THEREOF
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588,128
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1988
; SEQ ID NO: 2:
; LENGTH: 2039
5256642-2
Query Match 3.3%; Score 287.5; DB 6; Length 2039;
Best Local Similarity 19.1%; Pred. No. 6.6e-15;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;
QY 221 LVLTASFPVNT-EWVPF-----RDE-----KYPRLVLOGFEEPEILSPLQPL-- 265
Db 34 LALPVAWGQCNAPWMLPFARPTNLTFEFEPITGYLANECRPGYSGRPFSLCLKNSWT 93
QY 266 -----CGQTVCDN-----VELISQYNGWPLRGEKY 292
Db 94 GAKDRCRKSCRNPPDPVNGVHVIKGIQFSGIKYSCTKGYRLIGSSSATCIIISGDTVI 153
QY 293 RYQVWNICD--DEGLNPYSEQRIRLQHEALNEAF--SRYNISWQLSVHQVHNSFLRHR 347
Db 154 WDNETPICDRIPCGLPPTIT-----NGDFISTRENHFY-----GS 189
QY 348 VVLVNCEPSKIGND-----HCDPECEHPLTGYDG--DCRLQGRCTYSWNRDGL 394
Db 190 VVTRYRCNPGSGGRKVFELVGEPSIYCTSNDDQ--VGWSGPAQCIIIPNKCTPPVVENGI 247
QY 395 CHVECNMM--LNFDDGDC-----C-----DQVADVKTCTFDPSPKRAY 433
Db 248 LVSDNRSLFSLNEVVEFRCPQVFMKGP RRKCCQALNKMWEPBLPSCSRVCQPPDVLAH- 306
QY 434 MSVKELKEALQLNSTHF--LNIYFASSVRBDLAGAATW-----PMDKDAVT----- 477
Db 307 -----ERTQDKDNFSPQGEVYFVYSCBPGYDLRGAASMRCTPQGDWSPAAPTEVYKSCD 359
QY 478 -----HLGGIVLSPAYYMGHTDTMIHEVGHVIG--LYHVFKG-----VSERE 519
Db 360 DFMGQLINGRVLFPVNLQLGAKYDFVCDEGFQKSSASVCYLAGMESLWNSVAVCEQI 419
QY 520 SCNDPCKETVPS-METG-----DLCAD----- 540
Db 420 FC--PSPPIVINGRHTGKLEVPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPQGN 477
QY 541 ---TAPTPKSEL---CREP-----PTSDTCGFTRFP--GAPPTNYS 575
Db 478 GWSPPAPRCGILGHCOADPHFLPAKLKTQTNASDPPIGTSLKYECPREYYGRPFS----- 533

QY 576 YTDNCTDNF---TPNQVARNHCYLDLVYQOWTESRKPTPIPPMV----- 619
Db 534 ---ITCLDNLVWSSPKDVCK-----RKSKCTPPDPVNGVHVITDIQVGRIN 578
QY 620 -----IGQTNKSLTI-----HW--LPPI-----SGVYDRASGSLGACTEDGTER 658
Db 579 YSCTTGHRLIGHSSAECILSGNAHMTKPIQRIPCGLPPTIANGDFI-----STNR 632
QY 659 QYVHTAS--SRVCDSSGYWTPEAVGPPDV-----DQPCPSLQAWS-PEVHLVHNM 709
Db 633 ENFHYGSVTRYRCNPGSGGRKVFELVGEPSIYCTSNDDQ-----VGWSGPAQCIIIPNK 687
QY 710 TVPCPTEGCSLELLFQHPVOADTLTLWTSFFMESSQVLEFTEILLE--NKESVHLGPL 766
Db 688 CTPPNVE-----NGILVSDNRSLSINEVVEFRCPQPGFVMKGP 726
QY 767 DTFCDIPLTIKLVHDKVGSVKYTFDERIRIDAALLTSQHPSLCSG-CRPVRYQVLRD 825
Db 727 RVKCO-----ALNKMWEPBLPSCSRVCQP----- 749
QY 826 PPFASGLPVVTHSHRKFTDVE-VTPGMYQYVLAEGEL-GEAS---PPLNHIHGA 879
Db 750 -----PPDVLAHERTQDKDNFSPQGEVYF--CEGYDLRGAASMRCTPQGDWSPPA 800
QY 880 PYCG-----DGK---VSERLGEE---CDDGDLVSGDCS----- 907
Db 801 PTCVKSCDDFMGQLINGRVLFPVNLQLGAKYDFVCDEGFQKSSASVCYLAGMESLW 860
QY 908 ---KVCE-----LE-----EGFNCTVGEPSL-C 925
Db 861 SSVFVCEQIFCPSPPVINGRHTGKPLEVPFGKAVNYTCDPHDRGTSFDLIGESTIRC 920
QY 926 YM-YEGDGI-----CE-----PFRKTSIVDCGIYT-----PKGY-- 954
Db 921 TSDPQNGVWSSPAPRCGILGHCOADPHFLPAKLKTQTNASDPPIGTSLKYECPREYGR 980
QY 955 -----LDQWATRAYSHED--KKKC--PVSIVTGERPSLI-----CTSYHPD 992
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QY 1031 WLKVCFNRPGEARAIF-----IFLTG-----LVGEHQOPTVT--LYL 1068
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QY 1069 TDVRSNHSNLS-----GTGLSCQ-----HNPLIINVTHQNVLFH 1103
Db 1150 SD---NRSLSLINEVDVFRCPQGFVMKGP RRKCCQALNKMWEPBLPSCSRVCQPPBEILH 1205
QY 1104 --HTTSVLNFPSSPRVGISAVALTSSRIGLSAPSNCSISEDEQNHQGSCHRPCKQ- 1160
Db 1206 GEHTPSHQDNFSP-----GQEVFYSC---EPGYDLRGAASLH--CTPQG 1244
QY 1161 -----DSCPSLL--LDHADVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1207
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QY 1208 QKEILLTSSGHWQDVS-CLPVDGVPDPPLVNYANFSCSEG-TKFLKRCGISCVF-- 1262
Db 1300 ---CVLVGMRSLWNSVAVCEHIFCPNP-PALINGRHTGTPSGDIPYKGEISYTCDBHPD 1355
QY 1263 ---PAKLGSLPWLTCLED---GLWSLPEVYCKL-----ECDAPRIILNANILLPHCLQ 1310
Db 1356 RGMTFNLIGEST-IRCTSDPHNGVWSSPAPRCESVRAHCKTBEQFPFASPTIP--IN 1412
QY 1311 D-NHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEGIWE--QGSCTPVCBPPPP 1367
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QY      1410 FKLCENLQGECPPRPSELNS-----VEYKCEGYG----- 1439
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          :|||           ||||:|:|:|:|:|:|
Db      1569 TSKDDQVGWSSPPPRCIISTNKCTAPEVENAIRVPGNRSFSLTEIIRFCQPGFVVYGS 1628
          :|||           ||||:|:|:|:|:|
QY      1477 QSIIVCTGRROWHPDPVLVHCIOSCPEP 1502
          ::|||:|:|:|:|:|:|
Db      1629 HTVQCQTNGRW--GPKLPHCSRVCQP 1652
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RESULT 10
5472939-2
; Patent No. 5472939
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138, 825
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588, 128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412, 745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332, 865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176, 532
; FILING DATE: 01-APR-1988
; SEQ ID NO: 2
; LENGTH: 2039
5472939-2

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Query Match	3.3%;	Score 287.5;	DB 6;	Length 2039;
Best Local Similarity	19.1%;	Pred. No. 6.6e-15;		
Matches 349;	Conservative 178;	Mismatches 548;	Indels 751;	Gaps 105;
QY	221	LVLTA\$EFPVNT-EWVPF-----RDE-----KYPRLEVLQ\$EPEPELISPLQPL--	265	
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QY	266	-----CGQTVCDN-----VELISQYNGYWPLRGEKYI	292	
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QY	293	RYQVNICD--DEGLNPV\$EQIRLQHEALNEAF--SRYNISWQLSVHQVHN\$TLRHR	347	
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QY	348	VVLVNCEPSKIGND-----HCDPECEHPLTYDGG---DCRLQGRCY\$WNRDGL	394	
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Db	190	VVTRYRCNPGSGGRKVFELVGEBSIYCT\$NDQ--VGIM\$GAPQCIIPNKCTPPNVENG	247	
QY	395	CHVECNMM--LNDPDDGDC-----C-----DPOVADV\$RKTCFDPPDSPKRAY	433	
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Db	248	LVS\$DNRSLF\$SLNEVVEFRQ\$PYFVWK\$GPRRVKQ\$QALNKEBELL\$SCSRV\$CQPPDVILHA-	306	
QY	434	MSVKELKEALQLN\$THF--LNIYFA\$SVREDLAGAATW-----PMDKDAVT-----	477	
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QY	478	-----HLGGIVL\$P\$AYY\$GMPGHTD\$MIHEVGHVLG--LYHVF\$G-----V\$ERE	519	
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QY	520	SCNDPCKEITVPS-METG-----DLCAD-----	540
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QY	541	---TAPTPKSEL---CREPE-----PTSDTCGTRFP---GAPFTNYS	575
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QY	576	YTDNCTDNF---TPNQVARMHCYLDLVYQOWTESRKPTPIPIPMV-----	619
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QY	620	-----IGQTNKSLTI---HW-LPPI---SGVVYDRASGSLCGACTEDGTR	658
Db	579	YSCCTGHRLLIGHSSAECILSGNAAHWSTKPIQORIPCGLPPTIANGDFI-----STNR	632
QY	659	QYVHTAS--SRRVCDSSGYWTPEEAVGPPDV-----DQCEPSLQAWS-PEVHLYHNM	709
Db	633	ENFHGYSVVTYRCNPGSGGRKVFELVGEPSICTSNDQ-----VGIMSGPAPQCIIPNK	687
QY	710	TVPCPTEGCSLELLFQHPVQADTLTLWVTSFFNESSQVLFDEILLE--NKESVHLGPL	766
Db	688	CTPPNVE-----NGILVSDNRSLFSLNEVEFRCQPGFVMKGR	726
QY	767	DTFCDIPLTIKLHV DGKVS GKVYTFDERIEIDALLTSQHPSP L CSG -CREVRYQVLRD	825
Db	727	RVKCQ-----ALNKMEPELPSCSRVCQ-----	749
QY	826	PPFASGLPVVVTTHSHRKFTDVE-VTPGQMYQYVLAEAGGEL-GEAS---PPLNHIHGA	879
Db	750	-----PPDVLHAERTQDKDNFSPGQEVFYS--CEPGYDLRGAASMRCTPGDWSPPA	800
QY	880	PYCG-----DGK---VSERLGBE---CDDGLVSGDGS-----	907
Db	801	PTCEVKSCDDFMGOLLNGRVLFVNLQLGAKYDFVCDEGFQ LKGSASAYCYLAGMESLMN	860
QY	908	---KVCE-----LE-----EGFNCYGEPSL-C	925
Db	861	SSVPVCEQIFCPSPPIVINGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRC	920
QY	926	YM-YEGDGI-----CE-----PFEKTSIVDCGIYT-----PKGY--	954
Db	921	TSDPQNGVWSSPAPRCGILGHCOAPDHLFAKLTQTNASDFPIGTS LKYEGRPEYYGR	980
QY	955	-----LDQWATRAYSSHED---KKCC--PVS LVTGEPSLI-----CTSYHPD	992
Db	981	PFSITCLD--NLVWSSPKDVCKRKSKCTPPDEVNGMVHVTIDIQVSRINYSTCTGH-R	1036
QY	993	LPMNR-----PLTGWFP C-----VASENETQDDRSEQPEBSLKKEDEV	1030
Db	1037	LIGHSSAECILSGNTAHWSTKPRICQRI PCGLPPTIANGDFISTNRENFHGSV-----	1090
QY	1031	WLKVCFNRPGEARAIF-----IFLTTDG-----LVPEGHQQPTYT--LYL	1068
Db	1091	-VTYRCNLGSRKRVFELVGEPSICTSNDQVIGIMSGPAPQCIIPNKCTPPENVENGILV	1149
QY	1069	TDVRGSNHS L-----GYIGLSQ-----HNPLIINVTHQNVLFH	1103
Db	1150	SD---NRSLFSLNEVDFRCQPGFVMKGPBRVKQALNKMEPELPSCSRVCQPPPEILH	1205
QY	1104	--HTTVSLNLFSSPRVGISAVALRTSSRIGLSAPNSCISEDEGQNHQGSCTHRPCGQ-	1160
Db	1206	GEHTPSHQDNFSP-----GQEVFYSC--EPGYDLRGAASLH--CTPQG	1244
QY	1161	-----DGCPSLL--LDHADVNVCTSIGPGLMKCAITCQRGFALQASSGQYIRPM	1207
Db	1245	DWSPPEARCAVKS CDDFLGQLPHGRVLFPLNLQLG-AKVSFVCDEGFR LKSSVSH-----	1299
QY	1208	QKEILLTSSGHWQONVS-CLPVDGCVDPBSLVNYANFSCSEG-TKFLKRCSISCVP--	1262
Db	1300	---CVLVGMRSLMNNSVPVCEHI FCPNP-PAI LNGRHTGTPSGDIPYGEKISYTCDPHPD	1355

QY 1263 ----PAKQGLSPWLTCLED-----GLWSLPEVYCKL-----ECDAPITILNANLLBPHCLQ 1310
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QY 1311 D-NHDVGTICKYECKPGYVVAESAEGKVRNKLKIQCLEGGIWE--QSSCIPVVCBPPPP 1367
Db 1413 DFEFPVGTSLNYECRPGYF-----GKMFSISCLLENLWSSVEDNCRKSCGPPE 1462
QY 1368 VFEGM-----YECTNGFSL---DSQCVLNCNQEREKLPILCTKEGIWTOE 1409
Db 1463 PFMGMVHINTDTQFGSTVNVSCNEGFRILGSPSTCLVSGNNV-----TWDKK 1510
QY 1410 FKLCEMLQGBCPPPPSILNS-----VEYKCEQGYG----- 1439
Db 1511 APICEII--SCEPPPTISNGDFYSNNRTSFHNGTVVTYQCHTGPDEQLFELVGERSIYC 1568
QY 1440 -----IGAVCSP-----LCVIPP-SDPVMLPENIT---ADTLEHMMEP---VKV 1476
Db 1569 TSKDDQGVWSSPPPRCTSTNKCTAPEVENAIRVGNRSFSLTEIRFRCPGFTWVGS 1628
QY 1477 QSIVCTGRROMHPDVLVHCIQSCBP 1502
Db 1629 HTVQCQTNGRW--GPKLPHCSRVCP 1652

RESULT 11
US-09-612-314A-52
; Sequence 52, Application US/09612314A
; Patent No. 6713606
; GENERAL INFORMATION:
; APPLICANT: SMITH, RICHARD ANTHONY GODWIN
; APPLICANT: DODD, IAN
; APPLICANT: MOSSAKOWSKA, DANUTA EWA IRENA
; TITLE OF INVENTION: CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH
; FILE REFERENCE: 37945-0004
; CURRENT APPLICATION NUMBER: US/09/612,314A
; CURRENT FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/214,913
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: PCT/EP97/03715
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: GB 96 148 71.3
; PRIOR FILING DATE: 1996-07-15
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 1947
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: CRI
US-09-612-314A-52

Query Match 3.3%; Score 287; DB 2; Length 1947;
Best Local Similarity 19.1%; Pred. No. 6.8e-15;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 233 EWVPF-----RDE-----KYPRLLEVLQGFEPBPILSPLQPL-----CGQTVCDN 273
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QY 274 -----VELISQVNGVWPLRGEKVIRYQVNTCD--DE 303
Db 66 PPDVNGMVHVIKGIQFGSQIKYSCCTKGYRLIGSSSATCIISGDTVIMDNETPICDRIPC 125
QY 304 GLNPIVSEQIRLOHEALNEAF---SRYNISWQLSVHQVHNSTLRHRVVLVNCBPSKIGN 360
Db 126 GLPPTIT-----NGDFISTNRENPHY-----GSVVTYRCNPGSGGR 161
QY 361 D-----HCDPECHPPLTYDGG--DCRLQGRCYSWNRDGLCHVECNM--LND 405
Db 162 KVFELVGEPSIYCTSNDDQ--VGIWGAPAQCIIPNKCTPPNVENGILVSDNRSIFSINE 219

QY 406 FDDGDC-----C-----DPQVADVKTCPDPDSPKRAYMSVKELKEALQLN 446
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QY 447 STHF---LNIYFASSVREDLAGATW-----PMDKAVT-----HLGIYLS 485
Db 272 KDNFSPQGEVFYSCEPGDLRGASMRCTPQGDWSPAPPTCEVKSDDFMGQLNGRYLF 331
QY 486 PAYYGMPGHTDTMIHEVGHVLG--LYHVFKG-----VSERESCNDPCKEYTPS- 531
Db 332 PYNLQGAKVDFVCDGEPQLKGSSASYCVLAGMESLWNSVPVCEQIFC--PSPVIYPNG 389
QY 532 METG-----DLCAD-----TAPTRGBL- 549
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QY 586 TPNQVARMHCYLDLVYQQWTESRKPTPIPIPMV-----IGQT 623
Db 503 SPKDVCK-----RKSCTPPDPVNGMVHVTIDIQVGSRINYSCTGHLRIGHS 550
QY 624 NKSLLTI---HW--LPII---SGVVYDRAGSLCGACTBDGTFRQYVHTAS--SRRV 669
Db 551 SABCILSGNAAHWSTKPPICQIRIPCGLPPTIANGDFI-----STNRENFHYGSVYTYRC 604
QY 670 CDSGYWTPPEAVGPPDV-----DQCEPSLQAMS--PEVHLYHMMTVPCCPTGCSLEL 722
Db 605 NPGSGRKVFELVGEPSIYCTSNDDQ-----VGIWGAPAQCIIPNKCTPPNVE----- 653
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Db 691 -----ALNKWEPELPSCSRVCP-----PDPVLH 714
QY 839 SHRKFTDVE-VTPGQMYQYVLABAGEL-GEAS---PPLNIHIGAPYCG----- 883
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QY 884 ---DGK---VSERLGE---CDDGDLVSGDGS-----KVCE----- 911
Db 773 QLLNGRVLFPVNLQGAKVDFVCDGEPQLKGSSASYCVLAGMESLWNSVPVCEQIFCPS 832
QY 912 -----LB-----EGFNCVGEPSL-CYM-YEGDGI----- 933
Db 833 PVIIPNGRHTGKPLEVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPQNGVWSSP 892
QY 934 -----CE-----PFERKTSIVDCGIYT-----LDQWATR 961
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QY 962 AYSSHD---KKKC--PVS LVTEGPHSLI-----CTSYHPDLPNHR----- 997
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QY 998 -----PLTGWPPC-----VASENETQDDRSQEPGSLKKEDEVWLKYCFNRPGEAR 1043
Db 1009 NTAHWSTKPIQRIIPCGLPPTIANGDFISTNRENPHYGSV-----VYYRCNLGSRGR 1061
QY 1044 AIF-----IFLTLDG-----LVGEHQOPTVT--LYLTDVGSNHSLSL--- 1078
Db 1062 KVFELVGEPSIYCTSNDDQVGIWGAPAQCIIPNKCTPPNVENGILVSD---NRSLSFSL 1117
QY 1079 -----GTYGLSCQ-----HNPLINVTYHQNVLFH--HTSVYLINFSS 1114
Db 1118 NEVEFRCPQGFVWKGPBRVKQALNKWEPELPSCSRVCPPEILHGEHTFSHQDNFSP 1177

QY 1115 PRVISAVALRTSSRIGLSAPSNCSISEDEGQNHQGSCTHRPCGKQ-----DS 1162
Db 1178 -----GQEVFYSC---EPGDLRGASLH--CTPGDWSPEAPRCVKS 1216
QY 1163 CPSSL--LDHADVNCSTSIGPGLMKCAITCQGFALQASSGQYIRPMQKILLTCSSGHW 1220
Db 1217 CDDFLGQLPHGRVLPPLNLQLG-AKVSFVCEGFRLLKSSVSH-----CVLVGMRSLW 1268
QY 1221 DONVS-CLPVDGVPDPSLVNYANFSCSEG-TKFLKRCISICVP-----PAKLOGLSPW 1272
Db 1269 NNSVPVCEHIFCPNP-PALNGRHTGPSGDIYGEKISYTCDFHPDRGMTFNLIGEST- 1326
QY 1273 LTCLD---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLQD-NHDVGTICKYE 1322
Db 1327 IRCTSDPHNGWSSPAPRCELSVRAGHCKTPEQPPASPTIP--INDEFPVGTSLNVE 1384
QY 1323 CKPGYVAASAEKVRNKLKIQCLBEGIWE--QGSCTPVCEPPPPVEGEM----- 1372
Db 1385 CRPGYF-----GKMFSISCLENLVWSSVEDNCRKSCGPPPEPFGMVHINTDTQ 1434
QY 1373 -----YECTNGRSL---DSQCVLNCNGEREKLPILCTKEGLWTQEFRLCENLQGECP 1422
Db 1435 FGSTVNYSCNEGFRLLIGSPSTCTLVSGNNV-----TWDKKAPICEIIT--SCEP 1480
QY 1423 PPSELNS-----VEYKCEQYVG-----IGAVCSP 1446
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QY 1447 -----LCVIPP-SDPVMLENIT---ADTLEHWMEP---VKVOSIVCTGRROHWP 1489
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Db 1599 GPXLPHCRRVQCP 1611

RESULT 12
US-08-126-505A-13
; Sequence 13, Application US/08126505A
; Patent No. 6897290
; GENERAL INFORMATION:
; APPLICANT: Atkinson, John P.
; APPLICANT: Hourcade, Dennis
; APPLICANT: Krych, Malgorzata
; TITLE OF INVENTION: Modified Truncated Complement System
; TITLE OF INVENTION: Regulators
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center, 1201 West Peachtree
; STREET: Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: US
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/126,505A
; FILING DATE: 24-SEP-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/695,514
; FILING DATE: 03-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: WU101CIP
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (404) 873-8794
TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1998 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-126-505A-13

Query Match 3.3%; Score 287; DB 2; Length 1998;
Best local similarity 19.1%; Pred. No. 7e-15;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 233 EWWPF-----RDE-----KYPRLEVLQGFEPPEILSPLOPPL-----CGQTVCDN 273
Db 6 EWLFPARPTNLTFDEFEPPIGTLYLNYECRPGYSGRPFSIICLNKSVWTGAKDRCKRKS CRN 65
QY 274 -----VELISQYNGYWPRLGKVIYRQVNNICD--DE 303
Db 66 PPDVNGMVHVIKIQFGSQIKYSCTKGYRLIGSSATCIIISGDTVIWNETPICDRIPC 125
QY 304 GLNPVSEQIRLQHEALNEAF---SRYNISQLSVHQVHNSTLRHVVLVNCEPSKIGN 360
Db 126 GLPPTIT-----NGDFISTRENHFY-----GSVTTYRCNPGSGR 161
QY 361 D-----HCDPECEHPLTYDGG--DCRLQRCYSWNRDGLCHVECNMM--LND 405
Db 162 KVFELVGEPSIYCTSNDDQ--VGIVSGPAQCIIIPNKCTPPVENGILVSDNRSLSFLNE 219
QY 406 FDDGDC-----C-----DQVADVKTCTFPDPSPKAAYMSVKELKEALQIN 446
Db 220 VVEFRQCGFWMKGP RRVKCQALNKWEPELPSCSRVCQPPDVLAH-----ERTQRD 271
QY 447 STHF---LNIYPASSVREDLAGAATW-----PMDKDAVT-----HLGGIVLS 485
Db 272 KDNFSPQGEVYFYSCFPGYDLRGAA SMRCTPQGDWSPAAPTCBYKSCDDFMGQLNGRVL 331
QY 486 PAYYGMPGHTDTMIHEVGVHVG--LYHVEKG-----VSERESCNDPCKETVPS- 531
Db 332 PVNLQLGAKYDFVCDGEGFQLKGSASAYCVLAGMESLWNSVAPCEQIFC--PSPVPIPN 389
QY 532 METG-----DLCAD-----TAPTPKSEL- 549
Db 390 RHTGKPLEVPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPOGNGVWSSPAPRCGIL 449
QY 550 --CREPE-----PTSDTCGFTRFP--GAPFTNYMSYTDNCTDNF--- 585
Db 450 GHCOAPDHPFLAKLKTQTNASDFPIGTSLKYECPREYGRPFS-----ITCLDNLWMS 502
QY 586 TPNQVARNHCYLDLVYQWTESRKPTPIPIPMV-----IGQT 623
Db 503 SPKDVCK-----RKSKTPPDVFNGMVHVTIDIQVGRINYSCTTGHLRIGH 550
QY 624 NKSLTI-----HW--LPI-----SGVYDRAASGLGACTEDGTFRQYVHTAS--SRRV 669
Db 551 SAECILSGNAAHWSTKPIQRIPCGLPPTIANGDFI-----STRENFHYGSVVTYRC 604
QY 670 CDSGYWTPBEAVGPPDV-----DQPCPSLQAWS--PEVHLVHMNMVPCPTEGCSLEL 722
Db 605 NPGSGGRKVFELVGEPSIYCTSNDDQ-----VGIVSGPAQCIIIPNKCTPPNVE----- 653
QY 723 LFOHPVQADTLTLWVTSFFMESSQVLPDTEILLE--NKESVHLGPLDTFCDIPITIKH 779
Db 654 -----NGILVSDNRSLSLNEVVEFRQCPGFVMKGP RRVKCQ----- 690
QY 780 VDGKVGKVTYTFDERIEIDALLTSQPHSPLCSG--CRPVRYQVLRDPPASGLPVVVT 838
Db 691 -----ALNKWEPELPSCSRVCQ-----PPDVLAH 714
QY 839 SHRKFTDVE--VTPGQMYQYOVLAAGEL--GEAS-----PPLNHIGAPYCG----- 883
Db 715 AERTQRDKDNFSPQGEVYFS--CEPGYDLRGAA SMRCTPQGDWSPAAPTCBYKSCDDFMG 772

QY 884 ---DGK---VSERLGE---CDDGLVSGDGS-----KVCE----- 911
Db 773 QLNNGRVLFPVNLQLGAKVDFVCEGFLKGSSASVCLAGMESLWSSVPVCEQIFCS 832
QY 912 -----LE-----EGFNCVGEPSL-CYM-YEGDGI----- 933
Db 833 PPVTPNGRHTGKPLVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPQNGVWSSP 892
QY 934 -----CE-----PERKTSIVDCGIY-----PKGY-----LDQWATR 961
Db 893 APRCGILGHCAQAPDHLFAKLKTQTNASDPPIGTSLKYECPREYGRPFPSITCLD--NL 949
QY 962 AYSSHED---KKKC---PVSIVTGEPSHLI-----CTSYHPDLPMNR----- 997
Db 950 VWSSPKDVCKRKSCKTPPDVNGVWHVITDIQVGRINYSCTTGH-RLIGHSSAECILSG 1008
QY 998 -----PLTGWFP---VASENETQDRSEQPEGSLLKKEDEVWLKVCFNRPGEAR 1043
Db 1009 NTAHWSTKPIQRIPCGLPPTIANGDFISTNRENFHYGSV-----VTYRCNLGSRGR 1061
QY 1044 AIF-----IFLTIDG-----LVGEGHQPTVT--LYLTDVRGSNHSL--- 1078
Db 1062 KVFELVGEPSIYCTSNDDQVGISGAPAQCIIPNKCTPPNVENGILVSD---NRSLFSL 1117
QY 1079 -----GTYGSLCQ-----HNPLIINVTHQNVLFH--HTSVLWSS 1114
Db 1118 NEVVEFRQCQPGFVMKGPFRVKKQALNKWBEPLPSCSRVCCQPPPEILHGEHTPSHODNPS 1177
QY 1115 PRVGISAVALTSSRIGLSAPNSCISEDEGONHOGOSCHRPCKQ-----DS 1162
Db 1178 -----GQEVFYSC---EPGYDLRGAASLH--CTPQGDWSPAPRCVKS 1216
QY 1163 CPSLL--LDHADVNCTSIGPIMKCAITCQGFALQASGQYIRPMQKEILLTCSGHW 1220
Db 1217 CDDFLGQLPHGRVLFPLNLQLG-AKVSFVCEDEGFLKSSVSH-----CVLVGMSLW 1268
QY 1221 DONVS-CLPVDGVPDPSLVNANFSCSEG-TKFLKRCSTISGVP-----PAKLQGLSPW 1272
Db 1269 NNSVPVCEHIFCPNP-PALNNGRHTGTPSGDIPYKKEISTYTCDPHPDRGMTFNLIGEST- 1326
QY 1273 LTCLD---GLMSLPEVYCKL-----ECDAPITILNANLLPHCLQD-NHDVGITCKYB 1322
Db 1327 IRCTSDPHGNGVWSSPAPRCELSVRAGHCKTPEQFPFASPTIP--INDEFPPVGTSLNVE 1384
QY 1323 CKPGYVVAESAEGKVRNKLKIQCLEGGIWE--QGSCTPVVCEPPPPVPEGM----- 1372
Db 1385 CRPGYP-----GKMFSSICLENLVWSSVEDNCRKSCGPPPEFNGMVHINTDTQ 1434
QY 1373 -----YECTNGFSL---DSQCVLNCNQEREKLPICTKESGLMTQBEFKLCENLQGECP 1422
Db 1435 FGSTVNYSCNEGFRLLIGSPSTGLVSGNNV-----TWDKAPICEI--SCEP 1480
QY 1423 PPSLELS-----VEYKCEQGYG-----IGAVCSP 1446
Db 1481 PPTISNGDPYSNNRTSFHNGTVTYQCHTGPDEQLFELVGRSIVCTSKDDQVGWSSP 1540
QY 1447 -----LCVIPP-SDPVMLPENIT---ADTLEHMEP---VKVQSI VCTGRQWHP 1489
Db 1541 PPRCISTNKCTAPEVENAIRVGNKSFSLTEIRFRCCQPGFVWVGSHTVQCQTNGRN-- 1598
QY 1490 DPVLVHCIOQCEP 1502
Db 1599 GPKLPHCSRVCP 1611

RESULT 13
US-09-911-842A-5
; Sequence 5, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF

; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 2489
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-911-842A-5

Query Match 3.3%; Score 284; DB 2; Length 2489;
Best Local Similarity 19.5%; Pred. No. 1.8e-14;
Matches 263; Conservative 140; Mismatches 451; Indels 494; Gaps 72;

QY 369 HPLTGYDGDGDCRLQGRYCSWNRKRDGLC-HVECNMNLNFDGDCDPQVADVRTKTCFDDP 427
Db 1035 HRLIGHSSAECILSGNAHWSTKPIQRIPCG-----LPPTIA----- 1073
QY 428 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPKDAVTHLGIVLSBA 487
Db 1074 -----NGDFISTNREN-----HYGSV--T 1092
QY 488 YGMPGHTDTMIHEVGHVGLY-----HVFKYVSERESCNDPCKETVPSMETGLCA 539
Db 1093 YRCNPGSGRKVFELVGEPSIYCTSNDDQVGISGAPQ--CIIPNKCTPPNVENGILVS 1150
QY 540 DTAPT-----PKSELCR--EPEPTSDTCGFTPPGAPFTNYSYT 577
Db 1151 DNRSLFSLNEVVEFRQCQPGFVMKGPFRVKKQALNKWBEPLPSCSRVCCQ--PPDVLHABRT 1209
QY 578 DNDCTDNFTPNQVARMHCYLDLVYQOMTESRKPTPIPPMVIGQTNKSLTIHMLPISG 637
Db 1210 QRD-KDNFSPGQEVFYSC-----EPG----- 1229
QY 638 VYVD-RASGLGACTEDGTFRQYVHTASSRRVCDSSGYWTPBEAVGPPD-----VDQP 690
Db 1230 --YDLRGAASM--RCTPQGWSPAPATCEVKSCHDFMGQLNGRVLFPVNLQLGAKVDFV 1285
QY 691 CEPSLQAWSPEVHLTHNMNTVPCPTBEGCSLELLFQHPVQADTLTWTSFFMESSQVLE 750
Db 1286 CDEGFQ-----LKSSA--SYCVLAGMESLWSSVPV-CEQIFCP 1322
QY 751 TEILLENKESVHLG-PLDTF-----CDIPITIKLHVDGKVSQVKTTFDERIEIDA 800
Db 1323 SPVTPNGR--HTGKPLVFPFGKAVNYTCD-----PHDRGTS-----PD-LIGEST 1367
QY 801 ALLTSQPH-----SPL-----CSGCRPVRYQVLRDPPFASGLPVVVTTHSHRKFTDV 846
Db 1368 IRCTSDPQNGVWSSPAPRCGILGHCAQAPDHLFAKLKTQTNASDPFI----- 1415
QY 847 EYTPGQMYQVLABAG-----ELGEASP-----PLNHIHAPY-CGDG 885
Db 1416 ----GTSKYECPREYGRPFPSITCLDNLVWSSPKDYCKRKSCKTPPDVNGVWHVITDI 1471
QY 886 KYSERLGEBCDDGLVSGGCSKVCLEBEGFNCVGEPSLCYMEBGDICEPFERKTSIVD 945
Db 1472 QVGRINYSCTTGHRLIGHSSAE-----CILSGNTAHWSTKPIQRIQ-----IP 1515
QY 946 CG-----IYTPKGYLDQWATRAYSSHEDKKKCPVSLVTGEPSHLICTSYHPD--- 992
Db 1516 CGUPPTIANGDFISTNRENFHYGSVVTYRCNLGSRKRVFELVGP-SIYCTSNDDQVGI 1574
QY 993 -----LPNH-RPLTGWFPVASENETQDRSEQPEGSLLKKEDEVWLKVCFNRPGEA 1042
Db 1575 WSGAPAQCIIPNKCTP-----ENVENGILVSDNRS--LFLNEVVEFRQCQPGFVMKGP 1626
QY 1043 RAIFILTTDGLVGEHQPTVTLYLTDVRGSNHSIGTYGLSCQHNPLIINVTH---HON 1099
Db 1627 R-----VKQALNKWBEPLPSCSRV-----CQPPPEILHGEHTPSHQD 1664

Qy 1100 VLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCSISEDEGONHOGQSCIHRPCGK 1159
Db 1665 -----NFSP-----GQEVFYSC---EPGYDLRGAASLH--CTP 1692
Qy 1160 Q-----DSCPSSL--LDHADVNCTSIGPGLMKCAITCQGRFALQASSGQYIR 1205
Db 1693 QGDWSPAPRCAYKSCDDFLGQLPHGRVLPPLNLQLG-AKVSFVCEGFRLKGSSVSH-- 1749
Qy 1206 PMQKELLTSSGHWQDNVS-CLPVDGCVDPDSLNVYANFSCSEG-TKFLKRCISISCV- 1262
Db 1750 ----CVLVGMRSLMNNNSVPVCEHIFCPNP-PAILNGRHTGTPSGDIPYKKEISYTCDPH 1803
Qy 1263 ----PAKLOGLSPWLTCLED---GLWSLPEVYCKL-----ECDAPPIILNANLLPHC 1308
Db 1804 PDRGMTFNLIGEST-IRCTSDPHNGVWSSPAPRCCLSVRAGHCKTPEQPPASPPTIP-- 1860
Qy 1309 LQD-NHDVGITCKYECKPGYVAESAEGKVRNKLKIQCLEGGIWE--QGSCTPVVCEPP 1365
Db 1861 INDFEPVGTSLNVECRPGYF-----GKMFSISCLLENLWSSVEDNCRKRKSCGP 1910
Qy 1366 PPFEGM-----YECTNGFSL-----DSQCVLNCNQEREKLPILCTKEGLWT 1407
Db 1911 PEPFNGMVHINTDQFGSTVNVYSCNEGFRLLGSPSTTCLVSGNNV-----TWD 1958
Qy 1408 QEFKLCENLQGECPPPSELNS-----VEYKCEQGYG----- 1439
Db 1959 KKAPICEIT--SCBPPTISNGDFYSNNRTSFHNGTVVTYQCHTGPDGEQLFELVGERSI 2016
Qy 1440 -----IGAVCSP-----LCVIPP-SDPYMLPENIT---ADTLEHMEP---V 1474
Db 2017 YCTSKDQGVWSSPPRCISTNKCTAPEVENAIRVPGNRSPFSLTEIYVPRCQPGFVMV 2076
Qy 1475 KVQSI VCTGRQWHPDVLVHCIOQCEP 1502
Db 2077 GSHTVQCQTNGRW--GPKLPHCSRVCQP 2102

RESULT 14
5256642-6
; Patent No. 5256642
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
; RECEPTOR 1 (CRI) AND A THROMBOLYTIC AGENT, AND THE METHODS OF
; USE THEREOF
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588,128
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1988
; SEQ ID NO:6:
; LENGTH: 1466
5256642-6

Query Match 3.3%; Score 283; DB 6; Length 1466;
Best Local Similarity 19.5%; Pred. No. 9.5e-15;
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;
Qy 369 HPLTGYDGGDCRLQRCYSWNRDGLC-HVECNMNLNDFDDGDCDPOVADVRKTCFDPD 427
Db 83 HRLIGHSSAECTISGNAAHMSTKPPICQIRIPCG-----LPPTIA----- 121
Qy 428 SPKRAYMSVKELKALQLNSTHFLNITYFASSVREDLAGAATWPMWCKDAVTHLGIVLSPA 487
Db 122 -----NGDFISTNRENF-----HYGSVV---T 140

Qy 488 YYGMPGHTDTMIHEVGHLGLY-----HVFKVSERESCNDPCKETVPSMETGDLCA 539
Db 141 YRCNPGSGGRKVFELVGEPSIYCTSNDDQVIGWGPAPQ--CIIPNKTCPNVENGILVS 198
Qy 540 DTAPT-----PKSELCR--EPEPTSDTCGTFRPGAFPTNMYST 577
Db 199 DNRSLFSLNEVEFRQCQPGFVMKGPFRYRQALNKMEPELPSCSRVCQ-PPDVLAERT 257
Qy 578 DDNCTDNFTPNQVARMHCYLDLVYQQWTESRKPTPIPIPPMNVIGQTNKSLTIHWLPISG 637
Db 258 QRD-KDNFSPQGEVFYSC-----EPG----- 277
Qy 638 VVYD-RASGLCGACTEDGTFRQYVHTASSRVCDSGTYWTPPEAVGPPD-----VDQ 690
Db 278 --YDLRGAASM--RCTPQGDWSPAAPTCEVKS CDDFMGQLNGRVLPVNLQLGAKVDFV 333
Qy 691 CEPSLQAWSPEVHLVHMNTVPCPTEGCSLELLFQHPVQADTLTLWTSFFMESSQVLPD 750
Db 334 CDEGFQ-----LKGSSA-----SYCVLAGMESLWNSVVPV-CEQIFCP 370
Qy 751 TEILLNKESVHLG-PLDTF-----CDIPLTIKLVHDKVSGVYVTFEDERIEIDA 800
Db 371 SPVPIPNGR--HTGKPLBVFEPFGKAVNYTCD-----PHDRGTS-----FD-LIGEST 415
Qy 801 ALLTSQPH-----SPL-----CSGCRPVRYQVLRDPPFASGLPVVYTHSHRKFTDV 846
Db 416 IRCTSDPQGNVWSSPAPRCGILGHCAQBDHFLPAKLKTQTNASDPFI----- 463
Qy 847 EVTPGQMYQVLAEAG-----ELGEASP-----PLNHIHGA PY-CGDG 885
Db 464 ---GTSLKYECRPEYYGRPFISITCLNLVWSSPKDVCKRKSKTTPDPVNGMVHVTDI 519
Qy 886 KVSERLGEBCDDGLVSGDGSKVCELBEGFNCVGEPSLCYMEBGDICEPFERKTSTVD 945
Db 520 QVGRINYSCTTGHRLLIGHSSAE-----CILSGNTAHMSTKPPICQ-----IP 563
Qy 946 CG-----IYTPKGYLDQWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPD--- 992
Db 564 CGLPPTIANGDFISTNRENHYGSVYTRCNLGRGRKVFELVGP-SIYCTSNDDQVGI 622
Qy 993 -----LBNH-RPLTGMFPVASENETQDDRSEQPEGLSKKEDVWLKVCFNRGEA 1042
Db 623 WSGPAPQCIIPNKTCP-----PNVENGLIVSDNRS--LPSLNEVEFRQCQPGFVMKGP 674
Qy 1043 RAIFIFLTGDLVGEHQPTVTLYLTDVGRSNHSLGTGYGLSCQHNPLINVTH--HQN 1099
Db 675 R-----VKCQALNKMEPELPSCSRV-----CQPPPEILHGEHTPSHD 712
Qy 1100 VLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCSISEDEGONHOGQSCIH----- 1154
Db 713 -----NFSP-----GQEVFYSC---EPGYDLRGAASLHCTPRG 742
Qy 1155 ----RPGKQDSCPSSL--LDHADVNCTSIGPGLMKCAITCQGRFALQASSGQYIRPM 1207
Db 743 DWSPEAPRCAYKSCDDFLGQLPHGRVLPPLNLQLG-AKVSFVCEGFRLKGSSVSH---- 797
Qy 1208 QKEILLTSSGHWQDNVS-CLPVDGCVDPDSLNVYANFSCSEG-TKFLKRCISISCV- 1262
Db 798 ---CVLVGMRSLMNNNSVPVCEHIFCPNP-PAILNGRHTGTPSGDIPYKKEISYTCDPHPD 853
Qy 1263 ----PAKLOGLSPWLTCLED---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLO 1310
Db 854 RGMTFNLIGEST-IRCTSDPHNGVWSSPAPRCCLSVRAGHCKTPEQPPASPPTIP--IN 910
Qy 1311 D-NHDVGITCKYECKPGYVAESAEGKVRNKLKIQCLEGGIWE--QGSCTPVVCEPPPP 1367
Db 911 DPEFPVGTSLNVECRPGYF-----GKMFSISCLLENLWSSVEDNCRKRKSCGPPE 960
Qy 1368 VFEGM-----YECTNGFSL-----DSQCVLNCNQEREKLPILCTKEGLWTQ 1409
Db 961 PFGMVHINTDQFGSTVNVYSCNEGFRLLGSPSTTCLVSGNNV-----TWDK 1008
Qy 1410 FKLCENLQGECPPPSELNS-----VEYKCEQGYG----- 1439

Db 1009 APICEII--SCEPPTISNGDFYNNRTSFHNGTVVYQCHTGPDEQLFELVGRSICY 1066
QY 1440 -----IGAVCSP-----LCVIP-SDPYMLPENIT-----ADTLEHMEP-----VKV 1476
Db 1067 TSKDDQVGWSSPPRCISTNKCTAPEVENAIRVPGNRSFSLTEIRFRCPGFVWGS 1126
QY 1477 QSIVCTGRQWHPDVLVHCIOQCEP 1502
Db 1127 HTVQCQTNGRW--GPKLPHCSRVCQP 1150

RESULT 15

5472939-6

; Patent No. 5472939

; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS

; NUMBER OF SEQUENCES: 30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/138,825

; FILING DATE: 19-OCT-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 588,128

; FILING DATE: 24-SEP-1990

; APPLICATION NUMBER: 412,745

; FILING DATE: 26-SEP-1989

; APPLICATION NUMBER: 332,865

; FILING DATE: 03-APR-1989

; APPLICATION NUMBER: 176,532

; FILING DATE: 01-APR-1988

; SEQ ID NO: 6:

; LENGTH: 1466

; 5472939-6

Query Match 3.3%; Score 283; DB 6; Length 1466;

Best Local Similarity 19.5%; Pred. No. 9.5e-15;

Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;

QY 369 HPLTYGDGDCRLQRCYSWNRDGLC-HVECNMNLNDFDDGCCDPOVADVKTGCPDPD 427
Db 83 HRLIGHSSAECILSGNAHWSTKPPICQRIPCG-----LPPTIA----- 121
QY 428 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDILAGATWPMWDKAVTHLGGIVLSPA 487
Db 122 -----NGDFISTNREN-----HYGSYV---T 140
QY 488 YYGMPGHTDTMIHEVHVLGLY-----HVFKGVSERESCNDPCKETVPSPMETGDLCA 539
Db 141 YRCNPGSGRAKVFELVGRSICYTSNDQVGWSPAPQ--CIIPNKCTPPNVENGILVS 198
QY 540 DTAPT-----PKSELCR--EPEPTSDTCGTRFPGAPFTNYMSYT 577
Db 199 DNRSLFSLNEVEFRCPQGFVWKGPFRVKKQALNKKMBELPSCSRVCQP--PPDVLHAERT 257
QY 578 DDNCTDNFTPNQVARMHCYLDLVYQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPPISG 637
Db 258 QRD-KDNFSPGQEVFYSC-----EPG----- 277
QY 638 VVYD-RASGSLCGACTEDGTFRQYVHTASSRRVCDSSGYWTPBEAVGPPD-----VDQP 690
Db 278 --YDLRGAASM--RCTPQGDWSPAFTCEVKSCHDDEMGQLLNGRVLFPVNLQGAKYDFV 333
QY 691 CEPSLQAWSPEVHLVHMNTVPCPTGCSLELLFQHPVQADTLTLWVTSFWMSSQVLPD 750
Db 334 CDEGFQ-----LKGSSA--SYCVLAGMESLWNSVVPV--CEQIFCP 370
QY 751 TEILLENKESVHLG-PLDTF-----CDIPLTIKLHYDGKVSQVKTPTDERIEIDA 800
Db 371 SPVPVIPNGR--HTGKPLEVFPFGKAVNYTCD-----PHPDGTS-----FD-LIGEST 415

QY 801 ALLTSQPH-----SPL-----CSGCRPVRYQVLRDPFPASGLPVVVTSHRKFTDV 846
Db 416 IRCTSDPQNGWSSPAPRCGLGHCAQAPDHFLEAKLTQTNASDFPI----- 463
QY 847 EVTPGQMYQVLAEBAG-----ELGEASP-----PLNHHGAPY--CGDG 885
Db 464 ----GTLKYECRPEYGRPFISITCLDNLVWSSPKDVCRRKSKTPDPDPVNGVHYITDI 519
QY 886 KYSERLGBECDDGLVSGDCSKVCELBEGFNCVGEPSLCMYEGDGCIBPFERKTSIVD 945
Db 520 QVSRINYSCTGHRILGHSSAE-----CISGNTAHWSTKPPICQ-----IP 563
QY 946 CG-----IYTPKGYLDQWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPD--- 992
Db 564 CGLPPTIANGDFISTNRENPHYGSVVTYRCNLGSRGRKVFELVGP-SIYCTSNDQVGI 622
QY 993 -----LPNH-RPLTGWFPVASENETQDDBSEQPEGLKEDVWLKVCNRPGEA 1042
Db 623 WSGPAPQCIIPNKCTP-----PNVENGILVSDNS--LFLNEVEFRCPQGFVWKGP 674
QY 1043 RAIFFLTLDGLVPGHQPTVTLVLTVDVGSNHSGLTYGLSCQHNPLINVTH---HQN 1099
Db 675 R-----VKQALNKKMBELPSCSRV-----CQPPPEILHGEHTPSHQD 712
QY 1100 VLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCSISEDEQNHQGSCTH----- 1154
Db 713 -----NFSR-----GQEVFYSC--EPGYDLRGAASLHCTPRG 742
QY 1155 -----RPCGKQDSCPSLL--LDHADVNCTSIGGLMKCAITCQGFALQASSGQYIRPM 1207
Db 743 DWSPEARCAVKSCHDDEFLGQLPHGRVLPPLNLQGL-AKVSFVCDEGFRLLKGSYSVSH--- 797
QY 1208 QKEILLTCSSGHWQDVS-CLPVDGCVDPBSLVNYANFSCSEG-TKFLKRCSSGVF--- 1262
Db 798 ---CVLVGMRSLWNNSVPCVCEHIFCPNP-PALNGRHTGPSGDIPLYKEISYTCDFHPD 853
QY 1263 ---PAKQGLSPWLTCLD---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLQ 1310
Db 854 RGMTFNLIGEST-IRCTSDPHNGWSSPAPRCGLSVRAGHCKTPEQFPFASPPTIP--IN 910
QY 1311 D-NHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEGGIWE--QGSCTPYCEPPPP 1367
Db 911 DFEFPVGTSLNVEGRPGYF-----GKMFISISLLENLWSSVEDNCRKSCGPPE 960
QY 1368 VPEGM-----YECTNGFSL---DSQCVLNCNOREKPLICTYEGELWTOE 1409
Db 961 PFNGMVHINTDTPGSTVNYSCNEGFRLLIGSPSTTCLVSGNNV-----TWDK 1008
QY 1410 FKLCEMLQEGCPPPSLNS-----VEYKCRQYG----- 1439
Db 1009 APICEII--SCEPPTISNGDFYNNRTSFHNGTVVYQCHTGPDEQLFELVGRSICY 1066
QY 1440 -----IGAVCSP-----LCVIP-SDPYMLPENIT-----ADTLEHMEP-----VKV 1476
Db 1067 TSKDDQVGWSSPPRCISTNKCTAPEVENAIRVPGNRSFSLTEIRFRCPGFVWGS 1126
QY 1477 QSIVCTGRQWHPDVLVHCIOQCEP 1502
Db 1127 HTVQCQTNGRW--GPKLPHCSRVCQP 1150

Search completed: January 30, 2006, 15:26:32
Job time : 38.2607 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:15:48 ; Search time 17.6781 Seconds
(without alignments)
954.383 Million cell updates/sec

Title: US-09-983-025b-2_COPY_234_1791
Perfect score: 8612
Sequence: 1 SPPEBSNONGEGSYREAF.....AADCDLDECTCRDPKABENQ 1558

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 75621 seqs, 10829074 residues

Total number of hits satisfying chosen parameters: 75621

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3916.5	45.5	1627	6 US-10-821-234-1283	Sequence 1283, App
2	332.5	3.9	3568	6 US-10-453-372-194	Sequence 194, App
3	332.5	3.9	3570	6 US-10-453-372-178	Sequence 178, App
4	332.5	3.9	3570	6 US-10-453-372-196	Sequence 196, App
5	332.5	3.9	3570	6 US-10-453-372-198	Sequence 198, App
6	332.5	3.9	3570	6 US-10-453-372-200	Sequence 200, App
7	332.5	3.9	3570	6 US-10-453-372-204	Sequence 204, App
8	332.5	3.9	3570	6 US-10-453-372-206	Sequence 206, App
9	331.5	3.8	3570	6 US-10-453-372-202	Sequence 202, App
10	287	3.3	2048	7 US-11-116-939-6	Sequence 6, Appli
11	282.5	3.3	1574	6 US-10-055-877-211	Sequence 211, App
12	278.5	3.2	2050	6 US-10-453-372-192	Sequence 192, App
13	259	3.0	868	6 US-10-995-561-792	Sequence 792, App
14	253.5	2.9	790	6 US-10-995-561-955	Sequence 955, App
15	253.5	2.9	830	6 US-10-995-561-957	Sequence 957, App
16	253.5	2.9	830	6 US-10-995-561-958	Sequence 958, App
17	249	2.9	1033	6 US-10-921-415-1	Sequence 1, Appli
18	247	2.9	3567	6 US-10-453-372-1112	Sequence 1112, Ap
19	240.5	2.8	3104	6 US-10-453-372-34	Sequence 34, Appl
20	240.5	2.8	3104	6 US-10-453-372-62	Sequence 62, Appl
21	240.5	2.8	3104	6 US-10-453-372-64	Sequence 64, Appl
22	240.5	2.8	3546	6 US-10-453-372-32	Sequence 32, Appl
23	239.5	2.8	3483	6 US-10-453-372-40	Sequence 40, Appl
24	236.5	2.7	3130	6 US-10-453-372-42	Sequence 42, Appl
25	233.5	2.7	2612	6 US-10-453-372-38	Sequence 38, Appl

26	230.5	2.7	610	7 US-11-043-768-30	Sequence 30, Appl
27	229.5	2.7	1664	6 US-10-055-877-212	Sequence 212, App
28	228.5	2.7	406	6 US-10-453-372-188	Sequence 188, App
29	225	2.6	1400	6 US-10-821-234-1045	Sequence 1045, App
30	224	2.6	1620	6 US-10-055-877-213	Sequence 213, App
31	223	2.6	768	6 US-10-995-561-956	Sequence 956, App
32	218.5	2.5	1025	6 US-10-921-415-5	Sequence 5, Appli
33	216.5	2.5	2669	6 US-10-453-372-36	Sequence 36, Appl
34	215.5	2.5	380	7 US-11-116-939-2	Sequence 2, Appli
35	215	2.5	381	6 US-10-821-234-1342	Sequence 1342, Ap
36	212.5	2.5	810	6 US-10-453-372-1116	Sequence 1116, Ap
37	210	2.4	1620	6 US-10-453-372-868	Sequence 868, App
38	209.5	2.4	884	6 US-10-453-372-58	Sequence 58, Appl
39	207	2.4	882	6 US-10-453-372-60	Sequence 60, Appl
40	206	2.4	344	6 US-10-453-372-190	Sequence 190, App
41	206	2.4	1403	6 US-10-055-877-52	Sequence 52, Appl
42	206	2.4	1403	6 US-10-453-372-878	Sequence 878, App
43	201.5	2.3	1577	6 US-10-055-877-54	Sequence 54, Appl
44	201.5	2.3	1577	6 US-10-453-372-882	Sequence 882, App
45	201.5	2.3	1577	6 US-10-453-372-884	Sequence 884, App

ALIGNMENTS

RESULT 1
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821, 234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462, 047
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-821-234-1283

Query Match 45.5%; Score 3916.5; DB 6; Length 1627;
Best Local Similarity 45.8%; Pred. No. 3.7e-306;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY	16	REAFENSOVGLP--ILYFSGRRL-LLRPEVLARPREAFTEAWKPEGQNNPALI 72
DB	80	REARGATEBPSPSRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRAEGQSPAVI 137
QY	73	AGVPDNCSTVSDKGMALGIRSGKDKGRDARFFSLCTDRVKKATILISHSRQPGTWT 132
DB	138	TGLYDKCSYISRDRGVVGIHTISDQDNKDPRIYFSLKTRARQVTTINAHRSYLPQWV 197
QY	133	HVAATYDGRHMLYYDGTQVASSLDQSGPLNSPFMAACRSLLIGDSSSEGHYFRGLGT 192
DB	198	YLAATYDQFMKLYNGAQVATSGEYGVGIFSPLTQCKVLMGG--SALNHVRYIEH 255
QY	193	LVFWSTALPQSHFQHSQSSGEBEATDVLVTASFEPVNTBWPFRDEKYPRLV--LQG 250
DB	256	FSLMKVARTQREILSDMETHGAHTALPQLLQEWNDVKGAWSPMKDSSPRVYFESNAHG 315
QY	251	FEPEPEILSPLOPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNNICDEGLNPIVS 310
DB	316	FLUD---TSLPEPLCGQTLCDNTEVIASYNQLSSFRQPKVVRVNVLYEDHKNPTVT 371
QY	311	EEQIRLOHEALNEAFSRYNISWQLSVHQNHNSTLRHRVVLVNCEPSKIGNHCDPECEHP 370

Db 372 REQVDFQHNQLAFAFKQYNI SWELDVLEVSNSLRRLILANCDISKIDENCDPECNHT 431
Qy 371 LTGYDGDGR-LQGRCYSWNRBDGLCHVECNMNLNFDDBDCCDPQVADV RKTCEPDPS 429
Db 432 LTGHDGDCRHLRHPAFVKQKONGVCDMDCNVERFNFDGBCCDPEITNVTQTCFDPDSP 491
Qy 430 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWPKDAVTHLGI VLSPAY 489
Db 492 HRAYLDVNELKAILKLIDGSTHLNIPFAKSSSEELAGVATWPMWKEALMHLGIVLNSPY 551
Qy 490 GMPGHTDTMHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKSEL 549
Db 552 GMPGHTHTMHEIGHSLGLYHVFRGISLQSCSDPCMETEPSFETGDLCDNTNPAFKHKS 611
Qy 550 CREPEPTSDTCGTRFPGAPFTNMSYTDNCTDNFTPNQVARMHCYLDIVYQOWTESRK 609
Db 612 CGDPGPGNDTCGFHSFNTPYNNFMSYADDDCTDSFTPNQVARMHCYLDIVYQOWPSRK 671
Qy 610 PTPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASGLCGACTEDGTFRQYVHTASSRV 669
Db 672 PAPVALAPQVLGHTDSVLTLEWFPRI DGHFFERELGSACHLCLEGRILVYASNASSPMP 731
Qy 670 CDSGWTPEEAVGPPDVQDPCBPSLQAWSPVHL YHMMNTVPCP-TEGCSLELLFQHPV 728
Db 732 CSPSGHMSPREAEGHPDVEQPCSSSVRTWSPNSAVNPHTVPRACPEPQGCYLELEFLYPL 791
Qy 729 QADTLTLMWT-SFFMESSQVLFDTTEILLNKESVHLGPLDTFCDIPLTIKL-HVDGKVS 785
Db 792 VPESLTIWTFVSTDMWSSGAVNDIKLAVSGKNISLGPQNVFCDVPLTIIRLMDVGEENV 851
Qy 786 GVKVYTFDERIEIDALLTSQHPSPSCGCRPVRYQVLRDPPFASGLPVVYVTHSHRKFTD 845
Db 852 GIQIYTLDEHLEIDAMLSTADTPLCLQCKPLKYKVRDPLQMDVASIL-HLNKRFVD 910
Qy 846 VEVTPGMYQVYLAAGELGEASPLNHIHGARYCGDGKVSERLGEBCDDGLVSGDG 905
Db 911 MDLNLGSVYQYVWITISGTEESESPSPAVTIHGRGYCGDGI IQDQGEQCDMMKINGDG 970
Qy 906 CSKVCELEEGFNCVGBPSLCYMEEGDICEPFERKTSIVDCGIYTPKGYLDQWATRAYSS 965
Db 971 CSLFCRQEVSFNCIDERSRCYFHDGDGVCBEFEQKTSIKDCGVYTPQGFLLDQWASNASVS 1030
Qy 966 HEDKKCPVSLVTGER-HSLICTSYHPDLPNHRPLTGMFPCVASENETODDSEQPEGSL 1024
Db 1031 HQD-QQCPGWVITIGQPAASQVCRKTVIDLSEGISQHAMYPCTISYPYSQ----- 1078
Qy 1025 KKEDEVMLKVCFNRPGEARAI FFLTTDGLVPGEHQOPTVTL YLTDVRGNSHSLGTGSL 1084
Db 1079 LAQTTFWLRAYFSQPMVA AAVIVHLVTDGTYGDKQETISVQLDITKQDSHDLGLHVL 1138
Qy 1085 CQHNPLIINVTHQNVLFHHTTSV LNFSSPRVGISAVALTSSRIGLSAPNSCISEDEG 1144
Db 1139 CRNNPLIIPVNHDLQPFYHSQAVRVSFSSPLVAISGVALRSFDNFPVTLSSC-QRGET 1197
Qy 1145 QNHQGSCTHRPCGKODSCPSLLLDHADVNCSTI-----GPGLMKCAITCQGFALQASS 1200
Db 1198 YSPAQSQCVHPACEKTD-CPBLAVENAS-LNCSSSDRYHG---AQCTVSCRTGYVLQIRR 1252
Qy 1201 GQYIRPMQ-KEILLTSSGSHWDQONVSCLPVDCGVDPESLVNYANFSCSEGTFLKRCST 1258
Db 1253 DDELIKSQTGPSVTVTCTEGKMNKQVACEPVDCSI PDHGOVYAAASFSCPEGTTFGSQCSF 1312
Qy 1259 SCVPBAKLQGLSPWLTCLDEGLMSLEPVYCKLECDAPPIILNANLLPHCLQDNHDVGTI 1318
Db 1313 QCRHPAQLKGNNSLLTCMBDGLMSFPEALCELMCLAPPEVPNADLQ TARCENKHKVGSF 1372
Qy 1319 CKYECKPGYVVAASAGKYRNKLIKIQCLEGGIWEQSGCIPVVCERPVPVFEQMYECTNG 1378
Db 1373 CKYKCKPGYHVPSSSR-KSKKRAFKTQCTQDGSWQEGACVPTCDPRP PKFHGLYQCTNG 1431
Qy 1379 FSLDSQCVLNC-----NQRERKLPILCTKEGLWTQEFKLCENLQGECPRP PSELNS-V EY 1432

Db 1432 FQFNSECRICKEDSDASQGLGSNVIHCRKDG TWNGSFHVQCEMQGC-SVPNELNSNLKL 1490
Qy 1433 KCEQGYGIGAVCSPLCVIPSPDPVMLPENITADTLEHMMEPYKVQSI VCTGRQWHPDPV 1492
Db 1491 QCPDGYAIGSECATSCLDHNSESI LPMNVTVRDI PHMILNPTFRVERVCTAGLKMYPHPA 1550
Qy 1493 LVHCIGCEPFOADGWCDTINNRAYCHYDGGDCCSSTLSKKYI PFAADCDLD-ECTCRD 1551
Db 1551 LHCVKGCEPFGMDNYCDAINNRAFCNYDGGDCTSTVKT KVTYTPFPMSCDLOGDCACRD 1610
Qy 1552 PKAEEN 1557
Db 1611 PQAQEH 1616

RESULT 2
US-10-453-372-194
; Sequence 194, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD;
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR APPLICATION NUMBER: 2003-06-03
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 194
; LENGTH: 3568
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-194

Query Match 3.9%; Score 332.5; DB 6; Length 3568;
Best Local Similarity 19.7%; Pred. No. 9.3e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

Qy 53 AFTVEAWVKPEGQONNPAILIAGVF DNCSTH---VSD-KGWALGIRSGKDKGRDARFFPS 108
Db 1447 ALTCTFMWKSDDMNYGTPI SYAVDNGSDNTLLLTIDYNGWVLVY-NGREK----- 1495
Qy 109 LCTDRVKKATILISHSRYPGTWTHVAATY--DGRHMALYVD-----GTQVASSLDQ 158
Db 1496 -----ITNCPSVNDGRWMHIAITWTSTGAWRVYINGELSDG TGLSIGKAIIPG 1544
Qy 159 SGPLNSPFWASCBSLLLGDSSEDGHYFR-----GHLGTLVFWSTAL-PQSHFOHSSOH 211
Db 1545 GG-----ALVIGQEQDKKGE GFNPASFVGSISQLNLMDYVLSPO---QVKSILA 1590
Qy 212 SSGEEATDLVLTASFEPVNTWVPFR-----DEK-----YPRL----- 245
Db 1591 TSCPELSKGNVLA-----WPDFLSGIVGKVKIDS KSI FCSDCPRLGGSVPHLRTAS 1642


```
QY 246 EVLQ-----GF-----EPEP---EILSPLQPL----- 265
Db 1643 EDLKGSKVNLFCBPFQVLGNPNVQCLNOGQWTQPLPHCERIRCGVPRPLNGFHSADD 1702
QY 266 --CGQTV---CDNVELLSQYNGYWPRLGKEKVIROYVNI CDDEGLNPVSEEQIRLQHEA 320
Db 1703 FYAGSTVYQCN-----NGYLLGDSRM-----FCTDNGSMNGVSPSCLDYDECA 1747
QY 321 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE---HPLTGY 374
Db 1748 VGSDCSEH-----ASCLAVDGS-----YICSCVPPTTGDKNCABPIKCKAPGNPENGH 1796
QY 375 DGGDCRLQG-----RCYSMNRRDGLCHVEC-----NNMLNDFDDGCCDPQVADVKTIC 423
Db 1797 SSGEITYTVGAETVPSQEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC 1844
QY 424 FDPDSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAAGATWPMWDKDAVTHLGIV 483
Db 1845 GKPAIPENG--CIEBLAFTGSKVTYRCNKGYTLADKRESSCLANSSWSHSP-----V 1896
QY 484 LSPAYYGMPGHTDTMHEVGHVGLYHVFKGVSERESCNDPCKETVPSETGDLCADTA- 542
Db 1897 CEPVKCSSPENINN-----GKY-ILSGLTYLSTASYSC-DTGYSLQGPSTIECTAS 1945
QY 543 -----PTPKSELCREPEPTSDTC---GFTRPFGAPFTNYMSYTDNCTDNFTPNQVA 591
Db 1946 GIMDRAPPACHLVFCGEPBAIKDAVITGNFT-----FRNTVYTT--CKEGTILAGLD 1996
QY 592 RMHCYLDLVYQOWTESRK---PTPIPPMVIGQTNKSLTIHMLPPISGVVYDRAAGSLC 648
Db 1997 TIECLAD--GKWSRSDQCLAVSCDEPPIVDHASPE--TAH-----RLFGDIA 2040
QY 649 GACTEDGTFRQYVHTASSRRVCDSSGYWTPPEAVGPPD-VDQPCB--PSLQAWSBEVHLY 705
Db 2041 FYYCSDG---YSLADNSQLLCNAQGWVPREGQDMPRCIAHFCBKPPSVS-----Y 2088
QY 706 HMMNTVPCPTGCSLELLFQHFPVQADTLTLMVTSFMESSQVLFDTBILB-----NK 758
Db 2089 SI-----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGQWNP 2131
QY 759 ESVHGLPLDTFCDIPLTIKLHVDGKVSQVVTFDERT-----EIDALLTS 805
Db 2132 SPMSTQICIVRCGEPPSI---MNGYASGSN-YSPGAMVAISCNKGFIYKGEKKSICEATG 2187
QY 806 QPHSPLSGCRPVRYQVLDPFPASGLPVVVTSHRKPTDVEVTPGQMYQYQVLAEGGE 865
Db 2188 QWSSPIPT-CHPV-----SCGEPKVENGF-----LEHTTGRIFESEVRYQCNPG 2231
QY 866 LGEASPPPL-----NHNG-APY-----CG-----DGKVSERLGEBCDDGD 899
Db 2232 YKSVSPFVFCQANRHWHSRPLMVCPLDCGKPPIONGFMKGENFEVGSKVQFPCNEGY 2291
QY 900 LVS GDGSKVCELBEGFNCVGEPSLCYMEBGDICEPFE-----RKTSLVDCG 947
Db 2292 ELVGDG-SWTCQKSGKMNKSNPK-----CMRAKCEPPLLENQVLKELTTEVG 2340
QY 948 IYT---PKGYL-----DQWATRAYSSHEDKKKCPVSLVTGBPHSLICTSYHPD 992
Db 2341 VVTFSCKEGHVLOGPSVLKCLPSQOW-----NDSFPVCKIVLCTPPP---LISFGVP 2389
QY 993 LPN---HRPLTGMFPCVAS---ENETQDDRSQPEBSLKEDEVW--LKVCNRPGEA 1042
Db 2390 IPSALHFGSTVKYSCVGGFFLRGNST-----TLCQPDGTWSSPLPEC----- 2432
QY 1043 RAIFILTTDGLVPGEHQP-TVTLVLTVDVRGSNHSIGTYGLSCQHN-PLIINV----H 1096
Db 2433 -----VPVECPQEBEIPNGIIDVQGLAY-LSTALYTCKPGFELVGNVTTLLCGE 2479
QY 1097 HQNVLFHHTTSLVLFNFSPRVGISAVALRTSSRIGLSAPNSCISDEGQNHQGS---CI 1153
Db 2480 NGHWLGGKPTCKAIECLKPKRELNGKFSYTDLHYGQTVTYSC---NRGFRLEGPALITCL 2536
```

```
QY 1154 HRPCKQD-SCPSLLDHADVNTSICP---GLMKCA-----ITCQRFALQASS 1200
Db 2537 E--TGDWVDAPS-----CNAIHCDSPQPIENGFEVAGADYSYGAIIITYSCFPGRQVAGHA 2589
QY 1201 GQYIRPMQKEILLTCSSGHWQNV-SCLPVDGVP-----DPS 1237
Db 2590 MQ-----TCEESGWSSSIPTCMPIDCGLPPIHIDFGDCTKLKDQGYFEQEDDM 2638
QY 1238 LVNY-----ANFSCSEGTK-----FL--KRCSISCVPPAKLOGISPWLTCL 1276
Db 2639 EPPVTPHPFYLGAVAKTMENTKESPATHSSNFLYGTWVSYTCNPGYELLG-NPVLICQ 2697
QY 1277 EDGLWSLPEVYC-KLECDAPPIILANLILPHCLQDNHVDGTICKYECKPGYVAESAEG 1335
Db 2698 EDGTWNGSAPSCSIECDLPTAPENGFLRFTET-----SMGSAVOYSCKPGHILAGSD-- 2750
QY 1336 KVRNKLKIQCLEGGIWEQGS--CIPVCEPPPVFEF-----MYECTNGFS 1380
Db 2751 -----LRL-CLENKRMGASPRCEAISCKKPNPVMNGSIKSNYTYLSTLYEBCDPGY- 2802
QY 1381 LDSQVLNQNQREKLPILCTKEGLWTOEFKLCENLQGECPPPPELN----- 1428
Db 2803 -----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPVSANGVREDEYTFQK 2850
QY 1429 SVEYKCEQY-----GIGAVCSPL-CVIPSPDPVMLPENITADTLEHW 1470
Db 2851 EIEYTCNEGFLLEGARSVCLANGSWSGATPPDVPVRCATPP---QLANGVTEGLDYGF 2906
QY 1471 MBPVK-----VQSIVCTGRQWHPDVLVHICIQSCBP 1502
Db 2907 MKEVTFHCHEGYILHGAPKLTCQSDGNWDAB-----IPLCKP 2943
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```
RESULT 3
US-10-453-372-178
; Sequence 178, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cursesqlst version 0.1
; SEQ ID NO 178
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-178
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Query Match 3.9%; Score 332.5; DB 6; Length 3570;


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; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 196
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-196

```

Query Match 3.9%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 9.4e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY	53	AFTVEAMVKEP	GGQNNPAIIAGV	FDNC	SHT--VSD-KGMALGIRSGKDKGRDARFFES	108						
Db	1449	ALTCTFMMKSS	DDMNYGTPPI	SYAV	NGSDNTLLTIDYNGWLVYV-NGREK-----	1497						
QY	109	LCTDRVKKAT	ILISHSRQ	PGTWTH	VAATY--DGRMALYVD-----GTQVASSLDQ	158						
Db	1498	-----ITNC	PSVNDGRWHII	AITWT	STGAMRAYINGELSDG	TGLSIGKAI PG 1546						
QY	159	SGPLNSPFMA	SCRSLILGDS	SE	DGHYFR-----GHILTLVFWSTAL-PQSHFQHSQH	211						
Db	1547	GG-----	ALVLGEQD	KKGE	GFNPAS	FGVGSISQNLMDYVLS	PQ--QVYSILA 1592					
QY	212	SSGEEBATD	VLTLAS	FEPV	TEWVPR-----DEK-----YPRL-----	245						
Db	1593	TSCPEELSK	GNVLA-----	WPDFLS	GIVGKVKIDSKS	IFCSDCPRLGGS	VPHLRTAS 1644					
QY	246	EVLQ-----	GF-----	-----	-----	-----	265					
Db	1645	EDLKPGSK	VNLFCE	PGFOL	VGNPNVQYCL	NGQWTOPLPHCER	IRCGVPPLENGFHSAD 1704					
QY	266	--CGQTV--	CDNVEL	ISQYNG	WPLRGEK	VI	RYQVNICDDEGLNPVSEBQIRLQHEA 320					
Db	1705	FYAGSTV	TYQCN-----	NGYLL	GDSRM-----	FTDNGSMNGVS	PSCLVDDECA 1749					
QY	321	LINEAFSR	YNI	SWQLSV	HQVHNSTLRHR	VLVNCE	PSKIGN-DHC-DP-ECE--HPLTGY 374					
Db	1750	VGSDCSEH	-----	ASCL	NVDGS-----	YICSCVP	PTYGDKNCABE	PKCKAPENENG 1798				
QY	375	DGGDCRLQ	G-----	RCYS	WNRDGLCH	VEC-----	NNMLNDFDDG	CCDPQVADYAKTC 423				
Db	1799	SSGEIYTV	GAEVTP	SCQEGY	QLMGVTKIT	CLES	GEWNHLI-----PYCKAV--SC 1846					
QY	424	PDPDSPKRA	YMSVKEL	KBALQL	NSTHFL	NIYFAS	S	VREDLGAA	TWPMDKDAVTHLGIV 483			
Db	1847	GKPAIPENG	--CIEEL	AFTG	SKVTYRCNK	GYTL	LAGDRESS	CLANSSWSHSP-----V 1898				
QY	484	LSPAYY	GMPGHT	DTMI	HEVGHVLGLYH	VFKG	V	SERESCNDPCKE	TVPSMETGDLCADTA- 542			
Db	1899	CEPVKCSS	PENINN-----	GKY-IL	SLGLTYL	STASYSC-DTG	YSLQPS	II	ECTYAS 1947			
QY	543	-----	PTPKSEL	CREDE	PTS	DTC-----	G	TRFP	GAPFTNYMSYTDNCTDNFTPNQYA 591			
Db	1948	GIMDRAP	PACHLV	FCGE	PAIKDA	VITGN	NFT-----	F	RNTVYTT--CKEGYTL	AGLD 1998		
QY	592	RMHCYLD	LVYQ	WTES	RK---PT	PIPI	P	MVIGQ	TNKSLLTIHMLPISGVVYDRASGLC 648			
Db	1999	TIECLAD	---GK	MSRSDQ	CLAV	SCDE	BP	IVD	HASPE--TAH-----RL	FEDIA 2042		
QY	649	GACTEDG	TFRQY	VHT	HTAS	RRVCD	SSGY	WTPE	BAVGP	PD--VDQPC--PSLQ	AMSPEVHLY 705	
Db	2043	FYYCSDG	---Y	SLAD	NSQL	CNAQ	GK	WVP	PEGQ	MDPR	CTAHFCEK	PPSVS-----Y 2090

QY	706	HNMMTVPCPTBGCSLELLFQHPVQADTLTLMWTSTFFMESSQVLFDTLEILLE-----NK	758
Db	2091	SI-----LESVSKAKPAAGS---VVSFKCMEGFVL-NTSAKIECMRGQWNP	2133
QY	759	ESVHLGRLDTFCDIPLTIKLAVDGKVGKVTYFDERI-----EIDALLTS	805
Db	2134	SPMSIQCIPVRGEPSSI---MNGYASGSN-YSGAMVAYSCKNGFYIKGEKSTCEATG	2189
QY	806	QPHSPLCSGCRFVRQVLRDPPASGLPVVVTSHRKFTDVEVTPGQWYQVLABAGB	865
Db	2190	QWSSPIPT-CHPV-----SCGEPKYENGF-----LEHTTGRIFESEVRYYQCNPB	2233
QY	866	LGEASPL-----NHIHG-APY-----CG-----DGKYSERLGEBCDDGD	899
Db	2234	YKSVGSFVFCQANRHMHSSEPLMCPVPLDCGKPPPIQNGFMKGENFEVGSKVQFCNBGY	2293
QY	900	LVSGDGSKVCLEBEGFNCVGEPSLCYMEBGDICEPFE-----RKTISVDCG	947
Db	2294	ELVGS-SWTCQKSGKMNKSNPK-----CMPAKCEPPLLNLVLKELTTEVG	2342
QY	948	IYT---PKGYL-----DQMATRAYSSHEDKKCPVSLVTGEPSHICTSYHPD	992
Db	2343	VVTFSCKEGHVLOGPSVLKCLPSQW-----NDSFPVKCIVLCTPPP---LISFGV	2391
QY	993	LPN---HRPLTGWFPVCVAS---ENETQDRSEQPEGLKEDVW---LKVCFNRPGEA	1042
Db	2392	IPSSALHFGSTVKYSCVGGFRLGNST-----TLQCPDGTWGSPLPEC-----	2434
QY	1043	RAIFILTTDGLVPGEHQOP-TVTLTYLTDVYRGSNHSIGTYGLSCQHN-PLINVT---H	1096
Db	2435	-----VPECPQPEBIPNGIIVQGLAY-LSTALYTCKPGEHLVGNTTTLGB	2481
QY	1097	HQNVLFHHTTSVLNFPSSPRVGISAVALTPTSRIGLSAPSNCSISEQONHQOS---CI	1153
Db	2482	NGHMLGKPTCKAIECLKPKBIKGLNGKFSYLDLHYGQTVTYSK--NRGRLEGPSALTCL	2538
QY	1154	HRPCGKOD-SCPSLLDHADVNCSTIGP---GLMKCA-----ITCQGFALQASS	1200
Db	2539	E--TGDMDVDAPS-----CNAIHCDSPQPIENGFEVADYSYGAITITSCFPGFQVAGHA	2591
QY	1201	GQYIRPMQKEILLTCSSGHWQNV-SCLPYDCGP-----DPS	1237
Db	2592	MQ-----TCBESGWSSSIPTCMPIDCGLPHIDFGDCTKLKDQGYFBEQEDMM	2640
QY	1238	LVNY-----ANFSCSEGTK-----FL-KRCSISCVPPAKLOGLSPMLTCL	1276
Db	2641	EVPPVTPHPPYHLGAVAKTMENTKESPATHSNFLYGTWVSYTCNPGYELLG-NPVLICQ	2699
QY	1277	EDGLWSLPEVYC-KLECDAPPIILNANILLPHCLQDNHDVGTICKYECKPGYVAESAEG	1335
Db	2700	EDGTWNGSAPSCISIECDLPTAPENGFLRETET-----SMGSAVQYSCKEGHILLAGSD--	2752
QY	1336	KVRNKLKIQCLEGGIWEQGS--CIPVCEBPPPVFEG-----MYECTNGFS	1380
Db	2753	-----LRL-CLENRKMSGASPRCEAISCKKPNPVMNGSIKSNYTYLSTLYYECDPGY-	2804
QY	1381	LDSQCVLNCNQERREKLPILTKEGLWTOEPKLCENLQGECPPPPSLELN-----	1428
Db	2805	-----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPVSANGQVRGDEYTFQK	2852
QY	1429	SVEYKCEQGY-----GIGAVCSPL-CVIPSPDPVWLPENITADTLEHW	1470
Db	2853	EIEYTCNEGFLLBGARSVCLANGSWSGATPDCVPRCATPP---QLANGVTGLDYGF	2908
QY	1471	MEPVK-----VOSIVCTGRROWHPDVLVHCIOGCBP	1502
Db	2909	MKEVTFHCHEGYILHGA PKLTCQSDGNWDAE-----IPLCKP	2945

RESULT 5
US-10-453-372-198
; Sequence 198, Application US/10453372
; Publication No. US20060003323A1

QY 1381 LDSQVLNQNQEREKLPILCTKEGLMTQEFKLCENLQCECPPPSELN----- 1428
Db 2805 -----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPPVSANGQVRGDEYTFQK 2852
QY 1429 SVEYKCEQGY-----GIGAVCSPL-CVILPSPDPVMLPENITADTLEHM 1470
Db 2853 EIEYTCNEGFLLEGARSVCLANGSWSGATPDCVPVRCATPP-----QLANGVTEGLDYGF 2908
QY 1471 MEPVK-----VQSIIVCTGRKQWHPDPVLVHCIOQSCP 1502
Db 2909 MKEVTFHCHEGYILHGAPKLTQSDGNWDAE-----IPLCKP 2945

RESULT 6
US-10-453-372-200
; Sequence 200, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 2001-02-23
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1st version 0.1
; SEQ ID NO 200
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-200

Query Match 3.9%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 9.4e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;
QY 53 AFTVEAWVKPEGQNNPAIIAGVPDNCST--VSD-KGVALGIRSGKDKGRDARFFPS 108
Db 1449 ALTCTFPMKSSDDMYGTPISYAVDNGSDNTLLTIDYNGWLVYV-NGREK----- 1497
QY 109 LCTDRVKKATILISHSRYPGTWTHVAATY--DGRHMLLYVD-----GTQVASSLDQ 158
Db 1498 -----ITNCPSVNDGRWHHIAITWTSTGAWRVYINGELSDGGTGLSIGKAIPG 1546
QY 159 SGPLNSPFMASCRSLILGDSSESDGHYFR-----GHILGLVFWSTAL-PSGHFOHSSQH 211
Db 1547 GG-----ALVYGQEQDKKGEGFNPAESFVGSISQLNLMDYVLSPO---QVKSLA 1592
QY 212 SSGBEATDVLTFASPEPVNTWVPR-----DEK-----YPRL----- 245
Db 1593 TSCPBELSKGNVLA-----WPDFLSGIVGKVKIDSKSIFCSDCPRLGGSVPHLRTAS 1644

QY 246 EYLQ-----GF-----BEP--EILSPLOPPL----- 265
Db 1645 EDLKPQSKVNLFCBEPGQLVGNPNVQYCLNQGQWTPPLPHCBERICRGVPPLENGHSADD 1704
QY 266 --CGQTV--CDNVELISQYNGYWPRLGKEKVIYQYVNICDEGLNPVISEEQIRLOHEA 320
Db 1705 FYAGSTVTYQCN-----NGYLLGDSRM-----FCTDNGSWNGVSPSCLVDECA 1749
QY 321 INEAFSRYNISWQLSVQVHNSTLRHRVVLVNCBPSKIGN-DHC-DP-ECE--HPLTGY 374
Db 1750 VGSDCSEH-----ASCLNVDS-----YICSCVPPYTGDKGNCAPIKCKAPGNENGH 1798
QY 375 DGGDCRLQG-----RCYSWNRBDGLCHVEC-----NNMLNDFDDGCCDPQVADVRKTC 423
Db 1799 SSGEIYTVGAEVTFSCQEGYQLMGVTKITCLBEGEMNHLI-----PYCKAV--SC 1846
QY 424 FDPDSPKRAYMSVKELKALQLNSTHPLNTYPAASSVREDLAGATWPDKDAVTHLGIV 483
Db 1847 GKPAIPENG--CIEBLAFTGSKVTYRCNKGYTLAGDKESSCLANSSWSHSP-----V 1898
QY 484 LSPAYYGMGHTDTMIHEGVHVLGLYHVFKGVSEBSCNDPCKETVPSMETGDI CADTA- 542
Db 1899 CEPVKCSSPENINN-----GKY-ILSGLTLYSTASYS-CDTGYSLQGPSIIECTAS 1947
QY 543 -----PTPKSELCEPEPTSDTC-----GTFPPGAPFTNYMSYTDNCTDNFTPNQVA 591
Db 1948 GIWDRAPACHLVFCBEPALIKDAVITGNFT-----FRNTVYTT--CKEGYTLAGLD 1998
QY 592 RMHCYLDLVYQOWTESRK--PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGLC 648
Db 1999 TIECLAD--GKMSRSDQCLAVSCDEPPIVDHASP-E-TAH-----RLFEDIA 2042
QY 649 GACTEDGTFRQYVHTAASRRVCDSSGYWTPBEAVGPPD-VDQPC--PSLQAMSPEVHLIY 705
Db 2043 FYCSDG---YSLADNSQLLCNAQKWPPEQDMPCIAHFCEKPPSVS-----Y 2090
QY 706 HMMMTVPCPTEGSIELLFQHPVQADTLTMTWTSFPMESSQVLFOTEILLE-----NK 758
Db 2091 SI-----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGQWNP 2133
QY 759 ESVHGLPDTFCIDIPILIKLHVDGKVGKVTYFDERI-----EIDALLTS 805
Db 2134 SPMSIQCIPIVRCGEPSI--MNGYASGSN-YSGAMVAYSCKNGFYIKGEKSTCEATG 2189
QY 806 QPHSPLCSGCRPVRYQVLRDPPASGLPVVVTYSHRKFTDVEVTPGQWYQYVLAAGGE 865
Db 2190 QWSSPIPT-CHPV-----SCGEPPKYENGF-----LEHTTGRIFFESRYRQCNPG 2233
QY 866 LGBASPPL-----NHIHG-APY-----CG-----DGKVSERLGECCDDGD 899
Db 2234 YKSVGSPVFCQANRHHWHSBPLMCPVLDCGKPPPIQNGFMKGEMFEVGSKYQFFCNEGY 2293
QY 900 LVSGDGSKVCLEBEGFNCVGBPSLCTMYEGDICEPFE-----RKTIVDCG 947
Db 2294 ELVGDG-SWTCQKSGKMNKKSNNPK-----CMPAKCPEPPLLENQVLKELTTEVG 2342
QY 948 IYT---PKGYL-----DQWATRAYSSHEDKKCPVSLVTGSPHSLICTSYHPD 992
Db 2343 VWTFSCKEGHVLQGPVSLKCLPSQW-----NDSFPVCKIVLCTPP-----LISFGVP 2391
QY 993 LPN---HRPLTGMFPVAVS---ENETQDDBSEQPEGLKKEDEVW---LKVCFNRPGEA 1042
Db 2392 IPSALHFGSTVYKXSCVGGFRLGNST-----TLCQPDGTWSSPLPBC----- 2434
QY 1043 RAIFIFLTTDGLVGEHQOP-TVTLYLTIVYGSNHSGLTYGLSCQHN-PLIINVT---H 1096
Db 2435 -----VPECPQPEIIPNGIIVQGLAY-LSTALYTCKPGFELVGNITTTLCGE 2481
QY 1097 HQNVLFHHTTSVVLNFSFPRVGISAVALRTSSRIGLSAPSNCSISEDEQNHQGS---CI 1153
Db 2482 NGHWLGGKPTCKAIECLKPEILNGKFSYTDLHYGQVTYSC--NRGRLEGPALTCCL 2538
QY 1154 HRPCGKQD-SCPSILLDHADVNNCTSIGP---GLMKCA-----ITCQRGFALQASS 1200

Db 2539 E--TGWDVDAPS-----CNAIHCDSPQIENGFEVGEADYSYGAILIYSCFPFGQVAGHA 2591
QY 1201 GOYIRPMQKEILLTCSSGHWQDNV-SCLPVDGVP-----DPS 1237
Db 2592 MQ-----TCEESGWSISSIPTCMFIDGLPRPHIDFGDCTKLKDDQGYFEQEDDM 2640
QY 1238 LVNY-----ANFSCSEGTK-----FL--KRCSISCVPRAPKLQGLSPMLTCL 1276
Db 2641 EVRYVTPHPRYHLGAVAKTMENTKESPATHSSNPLYGTMVSYTCNPGYELLG-NPVLICQ 2699
QY 1277 EDGLWSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKRGYVAESAEG 1335
Db 2700 EDGTWNGSAPSCISIECDLPTAPENGFLRFTET-----SMGSAVOYSCRGHILAGSD-- 2752
QY 1336 KVRNKLKIOCEGGIWEQGS--CIPVVCBPPEPVFEG-----MYECTNGFS 1380
Db 2753 -----LRL-CLENRKWSGASPRCEAISCKKNPVMMNGSIKGSNTYTLSTLYEEDPGY- 2804
QY 1381 LDSQVLNCGEREKLPILCTKEGLWTQEFKLCENLQGECPRPPESELN----- 1428
Db 2805 -----VLNGTERR-----TCQDDKNWDEDEPLC--IPVDCSSPVSANGQVRGDEYTFQK 2852
QY 1429 SVEYKCEQGY-----GIGAVCSPL-CVIRPSDPVMLPENITADTLEHM 1470
Db 2853 EIEYTCNEGFLLEGARSVCLANGSWSGATPDCVPRCATPP-----QLANGVTEGLDYGF 2908
QY 1471 MEPRK-----VQSIVCTGRROWHPDVLVHCIOQCBP 1502
Db 2909 MKEVTFHCHEGYILHGAPKLTQOSDGNWDAE-----IPLCKP 2945

RESULT 7

US-10-453-372-204

; Sequence 204, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:

; APPLICANT: Alsbrook, et al.

; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

; FILE REFERENCE: 21402-589 A

; CURRENT APPLICATION NUMBER: US/10/453,372

; CURRENT FILING DATE: 2003-06-03

; PRIOR APPLICATION NUMBER: 09/789390

; PRIOR FILING DATE: 2001-02-23

; PRIOR APPLICATION NUMBER: 60/185967

; PRIOR FILING DATE: 2000-03-01

; PRIOR APPLICATION NUMBER: 09/823187

; PRIOR FILING DATE: 2001-03-29

; PRIOR APPLICATION NUMBER: 60/195792

; PRIOR FILING DATE: 2000-03-10

; PRIOR APPLICATION NUMBER: 09/839446

; PRIOR FILING DATE: 2001-03-19

; PRIOR APPLICATION NUMBER: 60/199476

; PRIOR FILING DATE: 2000-03-25

; PRIOR APPLICATION NUMBER: 09/863776

; PRIOR FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: 60/208263

; PRIOR FILING DATE: 2000-05-31

; PRIOR APPLICATION NUMBER: 09/939398

; PRIOR FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: 60/227800

; PRIOR FILING DATE: 2000-08-25

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1609

; SOFTWARE: Curaseq1st version 0.1

; SEQ ID NO 204

; LENGTH: 3570

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-453-372-204

Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY 53 AFTVEAWVKEGGQNNPALIAGVFDNCSHT--VSD-KGVALGIRSGKDKGRDARFFFS 108
Db 1449 ALTCTFMKSSDDMNVTGPISAYADNSDNTLLTLDYNGWVLYV-NGREK----- 1497
QY 109 LCTDRVKKATILLISHSRYPGTWTHVAATY--DGRHMAIYVD-----GTQVASSLDQ 158
Db 1498 -----ITNCPSVNDGRMHHAITWTSTGAMRVYINGELSDGTGLSIGKAIIPG 1546
QY 159 SGPLNSPFMASCRSLLLGGDSSEDEGHYR-----GHLGTLVFENSTAL-PQSHFQSSQH 211
Db 1547 GG-----ALVLGQEQDKKGEGFNPAESFVGSISQLNLMWVLSFQ--QVKSIA 1592
QY 212 SSGEEATDLVLTASFEPVNTWVPR-----DEK-----YPRL----- 245
Db 1593 TSCPEELSKGNVLA-----WPDFLSGIVGKVKIDSISIFCSDCRLGGSVPHLRTAS 1644
QY 246 EVLQ-----GF-----EPEP--EILSPQPP----- 265
Db 1645 EDLKPQSKVNLFCERGFQLVGNPVQCLNQGWTOPLPHCERIRCGVPPPLENGFHSAD 1704
QY 266 --CGQT---CDNVELISQYNGVWPLRGEKVIYQVNNICDDEGLNPVSEBQIRLQHEA 320
Db 1705 FYAGSTVYQCN-----NGYVILGDSRM-----FCTDNGSNMGVSPSCLDVDECA 1749
QY 321 LNEAFSRVNTSWQLSVHQVHNSTLRHVVLVNCBPSKIGN-DHC-DE-ECE--HPLTGY 374
Db 1750 VGSDCSEH-----ASCLNVDS-----YICSCVPPTYGDGKNCAPKICKAPGNPENG 1798
QY 375 DGGDCRLQG-----RCYSWNRDGLCHVEC-----NMMLNDFDGDCCDPQVADVTKTC 423
Db 1799 SSGEIYTVGAEVTFSCQEGYQLMGVTKITCLESEGMNHLI-----PYCKAV--SC 1846
QY 424 FDPDSPKRAYMSVKELEKALQLNSTHFLNIYFASSVREDLAGAATWBDKDAVTHLGIV 483
Db 1847 GKPAIPENG--CIELAFTFGSKVTYRCNKGYTLAGDKESSCLANGSWSHSP-----V 1898
QY 484 LSPAYYGMGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKEYVSMETGDLCADTA- 542
Db 1899 CEPVKCSSPENINN-----GKY-ILSGLTYLSTASYS-C-DTGYSLQGPSIIECTAS 1947
QY 543 -----PTPKSELCREPEPTSDTC---GTFRFGAPFTNYMSYTDNCTDNFTNOVA 591
Db 1948 GIWDRAPFACHLVFCGEPPAIKDAVITGNFT-----FRNTVYTV---CKEGYTLAGLD 1998
QY 592 RMHCYLDLVQOWTESRK--PTPIPRPVNIGQTNKSLTIHMLPPISGVYVDRASGLC 648
Db 1999 TIECLAD--GKWSRSDQOCLAVSCDEPPIVDHASPE--TAH-----RLFEDIA 2042
QY 649 GACTEDGTFRQYVHTASSRRVCDSSGYWTFEEAVGPPD-VDQPCB--PSLQAWSPEVHL 705
Db 2043 FYYCSDG---YSLADNSQLCNAQGVNPEGQDMPRCIAHFCEKPSVS-----Y 2090
QY 706 HMNMTVPCPTGCSLELLFQHPVQADTLTLWTSFMESSQVLPDTEILLE-----NK 758
Db 2091 SI-----LESVSKAKFAAGS-----VVSFKCMEGFVL-NTSAKIECMRGQWNP 2133
QY 759 ESVHLGPLDTPCDIPLTIKLVHDGKVGKVTYFDERI-----EIDAALLTS 805
Db 2134 SPMISQICIPVRCGEPPSI--MNGYASGSN-YSGAMVAYSCNKGFIYKGEKSTCEATG 2189
QY 806 QPHSPLCSGCRPVRYQVLDRPPFASGLPVVVVTHSHRKFTDVEVTPGQWYQVYLAEAGB 865
Db 2190 QWSSPIPT-CHPV-----SCGEPPYENGF-----LEHTTGRIFESEVRYQCNP 2233
QY 866 LGEASPP-----NHIHG-APY-----CG-----DGKYSERLGEBCDDGD 899
Db 2234 YKSVGSPVVFVQANRHWHSSEPLMCPVLDGKPPPIQNGFMKGENFVGSKVQFFCNEGY 2293
QY 900 LVSGDGSKVCELEEGFNVCVGEPSLCYMYEGDGICEPFE-----RKTSLVDCG 947
Db 2294 ELVGDG-SWTCQKSGKMNKKSNNPK-----CMPAKCPPEPPLLENQVLVLELTTEVG 2342

QY	948	IYT---	PKGYL-----	DOWATRAYSSHEDKKCPVSLVTGBPHSLICTSYHPD	992
Db	2343	VWTPSCKEGHVLTQGPSVLKCLPSQW-----	NDSFPVCKIVLCTPPP---	LISFGVP	2391
QY	993	LPN---	HRPLTGWPCVAS----	ENETQDRSEQPEGLKKEDEWV--	LKVCFNRBGEA 1042
Db	2392	IPSSALHFGSTVKYSCVGGFELRGNST-----	TLCQPDGTWSSPLPEC-----		2434
QY	1043	RAIFILTTDGLVPGHQOP-TVTLYLTVDRGSNHSIGTYGLSCQHN-PLIINVY----	H	1096	
Db	2435	-----	VPEVCQPEHPIINGIIDVQGLAY-LSTALYTCKBGFELVGNNTTLUGE	2481	
QY	1097	HQNVLFHHTTSVLNFSBPRVGISAVALTSSRIGLSAPSNICISBDEGQNHQOS--CI	1153		
Db	2482	NGHWLGKPTCKAIECLKPKIELNGKFSYTDLHYGQIVTYSC--NRGFLBEGSALTCL	2538		
QY	1154	HRPCGKOD-SCPSLLBDHADVNVCTSIGP--GLMKA-----	ITCORGALQASS	1200	
Db	2539	E--TGDWDVDAPS-----	CNAIHCDSPQPIENGFEVAGADYSYGAIIYSCFPGPQVAGHA	2591	
QY	1201	GQYIRPMQKEILLTCSSGHWQNV-SCLPVDGVP-----	DPS	1237	
Db	2592	MQ-----	TCESGWSSSIPTCMPIDCGLPHIDFGDCTKLKDDQGYFQEDDM	2640	
QY	1238	LVNY-----	ANFSCSEGTK-----	FL--KRCSISCVPPAKLOGLSPWLTCL	1276
Db	2641	EVYPVTPHPPYHLGAVAKTWEHTKESPATHSNPLGYTWVSYTCNPGYELLG-NPVILICQ	2699		
QY	1277	EDGLWSLPEVYC-KLECDAPPIILNANLLPHCLODNHVGTICKYECKPGYYAESAEG	1335		
Db	2700	EDGTWNGSAPSCISIECDLPTAPENGLRFTET----	SMGSAVOYCKPGHILAGSD--	2752	
QY	1336	KVRNKLKIQCLEGIWEGS--CIPVCEPPPPVPEG-----	MYECTNGFS	1380	
Db	2753	-----	LRL-CLENRKWSGASPRCEAISCKKPNVWNGSIKGSNTYTLSTLYEEDPGY-	2804	
QY	1381	LDSQCVLNCNOERERKLPILCTKEGLMTQEFKLCENLOGECPPPSELN-----		1428	
Db	2805	-----	VLNGTERR-----	TQDDKNMDEDEPIC--IPDCCSPVSAANGQVRDEYTFQK	2852
QY	1429	SVEYKEEGY-----	GIGAVCSPL-CVIPPSPDVMLPENITADTLEHW	1470	
Db	2853	EIEYTCNEGFLLEGARSRVCLANGSWSGATPDCVPRCATPP----	QLANGVTBGLDYGF	2908	
QY	1471	MEPVK-----	VQSIVCTGRROHMPDPVLVHCIQSCEP	1502	
Db	2909	MKEVTFHCHEGYILHGAPKULTQSDGNWDAB-----	IPLCKP	2945	

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RESULT 8
US-10-453-372-206
; Sequence 206, Application US/10453372
; Publication No. US2006003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776

```

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; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 206
;
; LENGTH: 3570
;
; TYPE: PRT
;
; ORGANISM: Homo sapiens
;
US-10-453-372-206

```

Query Match	3.9%;	Score 332.5;	DB 6;	Length 3570;
Best Local Similarity	19.7%;	Pred. No. 9.4e-18;		
Matches 352;	Conservative 210;	Mismatches 602;	Indels 619;	Gaps 107;

QY	53	AFT	EAW	VK	PEGG	NN	PAI	IAG	V	F	D	N	C	S	H	T	--	V	S	D	--	K	G	W	A	L	G	I	R	S	G	K	D	K	R	D	A	R	F	F	F	S	108																
Db	1449	ALT	C	T	F	M	K	S	S	D	M	N	Y	G	T	P	I	S	A	V	D	N	G	S	D	N	T	L	L	T	D	Y	N	G	W	L	Y	V	--	N	G	R	E	K	--	1497													
QY	109	L	C	T	D	R	V	K	K	A	T	I	L	I	S	H	S	R	Y	Q	P	G	T	W	H	A	A	T	Y	--	D	G	R	H	A	L	Y	V	D	-----	G	T	O	V	A	S	S	L	D	Q	158								
Db	1498	-----	I	T	N	C	P	S	V	N	D	G	R	M	H	I	A	I	T	W	S	T	G	A	M	R	V	I	N	G	E	L	S	D	G	T	G	L	S	I	G	K	A	I	P	G	1546												
QY	159	S	G	P	L	S	P	F	M	A	S	C	R	L	L	L	G	D	S	S	E	D	G	H	Y	F	R	-----	G	H	L	T	V	F	W	S	T	A	L	--	P	O	S	H	F	O	H	S	Q	211									
Db	1547	G	G	-----	A	L	V	L	G	O	E	O	D	K	G	E	G	F	N	P	A	B	S	F	V	G	S	I	S	Q	L	N	L	M	D	Y	L	S	P	O	--	Q	V	K	S	L	A	1592											
QY	212	S	S	G	E	E	A	T	D	L	V	T	A	S	F	E	P	N	T	E	W	P	F	R	-----	D	E	K	-----	Y	P	R	L	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	245													
Db	1593	T	S	C	P	E	E	L	S	K	G	N	V	L	A	-----	W	P	D	L	S	G	I	V	K	A	I	D	S	K	S	I	F	C	S	D	C	P	R	L	G	S	V	P	H	L	R	T	A	S	1644								
QY	246	E	V	L	Q	-----	G	F	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	265												
Db	1645	E	D	L	K	P	G	S	K	V	N	L	F	C	E	P	G	F	Q	L	V	G	N	P	V	O	Y	C	L	N	G	O	Q	W	T	Q	P	L	P	H	C	E	R	I	R	C	G	V	P	P	L	E	N	G	H	S	A	D	1704
QY	266	--	C	G	Q	T	V	-----	C	D	N	V	E	L	I	S	Q	Y	N	G	Y	W	P	L	R	G	E	K	V	I	R	Y	O	V	N	I	C	D	D	E	G	L	N	P	I	V	S	E	Q	I	R	L	O	H	E	A	320		
Db	1705	P	Y	A	G	S	T	V	T	Y	Q	C	N	-----	N	G	Y	L	L	G	D	S	R	M	-----	F	C	T	D	N	G	S	W	N	G	V	S	P	S	C	L	D	V	D	E	C	A	1749											
QY	321	L	N	E	A	F	S	R	Y	N	I	S	W	O	L	S	V	H	Q	V	H	N	S	T	L	R	H	R	V	L	V	N	C	E	S	K	I	G	N	--	D	H	C	--	D	P	--	E	C	E	--	H	P	L	T	G	Y	374	
Db	1750	V	G	S	D	C	S	E	H	-----	A	S	C	L	N	V	D	G	S	-----	Y	I	C	S	V	P	Y	T	G	D	K	N	C	A	P	I	K	C	A	P	E	N	G	H	1798														
QY	375	D	G	G	D	C	R	L	Q	G	-----	R	C	Y	S	W	N	R	D	G	L	C	H	V	E	C	-----	N	N	M	L	N	D	F	D	G	D	C	C	D	P	O	V	A	D	V	R												

```
Db      2091 SI-----LESVSKAKPAAGS---VVSFKMEGFVL-NTSAKIECMRGQWNP 2133
Qy      759 ESVHGLPDTFCDDIPLTIKLHVDGKSVKVTYFDERI-----EIDALLTS 805
Db      2134 SPMSTQCIPIVRCGEPPSI--MNGYASGSN-YSGAMVAYSCKNGFYIKGEKSTCEATG 2189
Qy      806 QPHSPLSCGCRPVRYQVLRDPPFASGLPVVVTSHRKFTDVEVTPGMYQVLAEAGGE 865
Db      2190 QWSSPIPT-CHPV-----SCGEPPKVENGF-----LEHTTGRIPESEVRQCNPG 2233
Qy      866 LGEASPL-----NHIHG-APY-----CG-----DGKYSERLGEEDDGD 899
Db      2234 YKSVGSPVFCQANRHMHSSEPLMCPVLDGKPPPIQNGFMKGENFEVGSKVQFCNEGY 2293
Qy      900 LVSGDGCSKVCELEBGFNCVGEPSLCYMEGDCICEPFE-----RKTISVDCG 947
Db      2294 ELVGDG-SWTCQKSGKMNKSNPK-----CMPAKCEPPLLENQVLKELTTEVG 2342
Qy      948 IYT---PKGYL-----DQWATRAYSHEDKKKCPVSLVTGEPHSLICTSYHPD 992
Db      2343 VVTFSCKEGHVLQGPSVLKCLPSQW-----NDSFPVCKIVLCTPP-----LISFGVP 2391
Qy      993 LPN---HRPLTGWFPCVAS---ENETQDRSEQPEGLKKEDEVW---LKVCFNRPGEA 1042
Db      2392 IPSSALHFGSTVKYSCVGGFPLRGNST-----TLCQPDGTWSSPLPEC----- 2434
Qy      1043 RAIFIFLTDLVPEGHQOP-TVTLYLTDVRSNHSLSGTGLSCQHN-PLINVT---H 1096
Db      2435 -----VPECEPQPEIPIGIDVQGLAY-LSTALYTCKPGFELVGNITTLGGE 2481
Qy      1097 HONVLFHHTSVLNLNFSSPRVGISAVALRTSRIGLSAPSNCSISEDEGQNHQOS---CI 1153
Db      2482 NGHWLGKGPCTKAIETCLPKKILNGKFSYTDLHYGQTVTYSC---NRGFLBGPSTLTL 2538
Qy      1154 HRPCKQOD-SCPSLLLDHADVNCTSIGP--GLMKCA-----ITQORGFALOASS 1200
Db      2539 E--TGDWDVDAPS-----CNAIHCDSPQPIENGFEAGADYSYGAIIITYSCPPQVAGHA 2591
Qy      1201 GQYIRPMQKEILLTCSSSGHWDQNV-SCLPVDGVP-----DPS 1237
Db      2592 MQ-----TCESGWSSSIPTCMPIDCGLPHIDFGDCTKLKDDQGYFEQEDDM 2640
Qy      1238 LVNY-----ANFSCSEGTK-----FL--KRCSISCVPAKLOGLSFWLTCL 1276
Db      2641 EVPYVTPHPPYHLGAVAKTMENTKESPATHSNFLYGTWVSYTCNPGYELLG-NPVLICQ 2699
Qy      1277 EDGLMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGYVVASAEG 1335
Db      2700 EDGTWNGSAPSCISIECDLPTAPENGFLRFET-----SMGSAVQYSCKPGHILAGSD-- 2752
Qy      1336 KVRNKLKIQCLEGGIWEQGS-CIPVCEPPPPVFEF-----MYECTNGFS 1380
Db      2753 -----LRL-CLENRKWSGASPRCEAISCCKPMPVWNGSIKGSNTYTLSTLYECDPGY- 2804
Qy      1381 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENLQGECPRPSELN----- 1428
Db      2805 -----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPVSANGQVRGDEYTFQK 2852
Qy      1429 SVEYKCEQGY-----GIGAVCSPL-CVIRPSDPVMLPENITADTLEHM 1470
Db      2853 EIEYTCNEGFLLEGARSVCLANGSWSGATPDCVPRCATPP---QLANGVTBGLDYGF 2908
Qy      1471 MEPVK-----VQSIIVCTGRRQWHPDPVLVHCIOQCEP 1502
Db      2909 MKEVTFHCHEGYILHGAPKLTQSGDGNWDAE-----IPLCKP 2945
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RESULT 9
US-10-453-372-202
; Sequence 202, Application US/10453372
; Publication No. US20060003323a1
; GENERAL INFORMATION:
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; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqlet version 0.1
; SEQ ID NO 202
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-202
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Query Match          3.8%; Score 331.5; DB 6; Length 3570;
Best Local Similarity 20.0%; Pred. No. 1.1e-17;
Matches 354; Conservative 211; Mismatches 608; Indels 601; Gaps 107;
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Qy      53 AFTVEAWVKEGGQNNPALIAGVFDNCSHT---VSD-KGWALGIRSGKDKGRDARFFFS 108
Db      1449 ALTCTFWMKSSDDMNYGTPISYAVDNGSDNTLLLTLDYNGWVLYV-NGREK----- 1497
Qy      109 LCTDRVKKATILLISHSRYPGTWTHVAATY--DGRHMLYVD-----GTQVASSLDQ 158
Db      1498 -----ITNCPSVNDGRMHIAITWTSTGAMRVYINGELSDGTLGSKAIPG 1546
Qy      159 SGPLNSPFMACSRLLLGDSSEDEGHYFR-----GLGLTVFWSTAL-PQSHFOHSSQH 211
Db      1547 GG-----ALVLGQEQDKKGEGFPAPAESFVGSISQNLNWDYVLSFQ---QVKSIA 1592
Qy      212 SSGEEFATDVLITASFEFVNTWVPPR-----DEK-----YPRL----- 245
Db      1593 TSCPEELSKGNVLA-----WPDFLSGIVGKVKIDSKSIFCSDCPRLGGSVPHLRTAS 1644
Qy      246 EVLQ-----GF-----EBP---EILSPLQBPV----- 265
Db      1645 EDLKPGSKVNLFCERPGFQLVGNPVQYCLNQGQWTOPLPHCERIRRCGVPPPLENGFHSADD 1704
Qy      266 --CGQTV--CDNVELISQYNGYWPVLRGEKVIROYVNNICDDEGLNPVSEEQIRLQHEA 320
Db      1705 FYAGSTVITYQCN-----NGYLLGDSRM-----FCTDNGSNNGVSPSCLDVDECA 1749
Qy      321 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE--HPLTGY 374
Db      1750 VGSDCSEH-----ASCLNVDGS-----YICSCVPPYTGDKNCAEPLCKAPGNPENGH 1798
Qy      375 DGGDCRLQG-----RCYSWNRDGLCHVEC-----NNMLNDFDGDCCDPQVADVVRTKC 423
Db      1799 SSGBIYTVGAETVFSQGEYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC 1846
Qy      424 FDPDSPKRAYMSVKEIKALQLNSTHFLNITYFASSVREDLAGAATWPMKDAVTHLGGIV 483
Db      1847 GKPAIPENG--CIEELAFTFGSKVTYRCNKGYTLLAGDKESSCLANSSWSHSP-----V 1898
```


QY 484 LSPAYYGMPGHTDTMHEVGHVGLYHVFKGVSERESCNDRCKETVPMSMETGDLCADTA- 542
Db 1899 CERVKCSSPENINN-----GKY-ILSLGLTYLSTASYS-CDTGYSLQSPSIIECTAS 1947
QY 543 -----PTPKSELCREPEPTSDTC-----GTRFRPGAPFTNYMSYTDNDCTDNFTPNQVA 591
Db 1948 GIWDRAPACHLVFCGEPRAIKDAVITGNFT-----FRNTVITYT-----CKEGYTLAQLD 1998
QY 592 RMHCYLDLVYQOWTESK---PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLC 648
Db 1999 TIECLAD---GKMSRSDQCLAVSCDEPPIVDHASP---TAH-----RLFEDIA 2042
QY 649 GACTEDGTFRQYVHTASRRVCDSSGYWTPPEAVGPPD-VDQPC---PSLQAWSDEVHLV 705
Db 2043 FYYCSDG---YSLADNSQLCNAQGWVPRPEGQDMPRCIAHFCEKPPSVS-----Y 2090
QY 706 HMMMTVPCTEGCSLELLEFQHPVQADTLTLWVTSFMESSQVLFDTBILB-----NK 758
Db 2091 SI-----LESYSKAKFAAGS-----VVSFKMEGFVL-NTSAKIECMRGGMNP 2133
QY 759 ESVHLGLDTPCDIPLTIKLHVDKSVGVKVTFDERI-----EIDALLTS 805
Db 2134 SPMSIQICIPVRCGEPPSI---MNGYASGSN-YSPGAMVAISCNKGFYIKGKKSTCEATG 2189
QY 806 QPHSPPLSGCRPVRYQVLRDPPPASGLPVVVTSHRKTDEVTBPGOMQYQVLAAGB 865
Db 2190 QWSSPIPT-CHPV-----SCGEPKVENGF-----LEHTTGRIFESEVRYQCNPG 2233
QY 866 LGESAPPL-----NHIG-APY-----CG-----DGKVSERLGEBCDDGD 899
Db 2234 YKSVGSPVFCQANRHMSESPMLCVPLDCGKPPIQNGFMKGNEFVSGKVQFPCNEGY 2293
QY 900 LVSGDGSKVCELEBGFNCVGEPSLCYMEGDGICEPFE-----RKTISIVDCG 947
Db 2294 ELVGD-SWTCQKSGKWNKSNPK-----CMRAKCPBPRLLENQVLKELTTEVG 2342
QY 948 IYT---PKGYLDQWAT---RAYSHEDKCKCPV-SLVYGERPHSLICTSYHDLRN---HRP 998
Db 2343 VVTFSCKEGHVLOGPSVYLKCLPSQQWNSDFPVCKIVLCAPPLI--SPGVPIRSSALHFG 2400
QY 999 LTGWPCPVAS---ENETQDDRSEQPEGLKKEDEVA---LKVCFNRPGEARAIFILTT 1051
Db 2401 STVKYSCVGGFFLRGNST-----TLQPDGTWSSPLPEC----- 2434
QY 1052 DGLVPEGHQOP-TVTLVLTDVGRGSNLSLGTYGLSCQHN-PLIINV---HQNVLFEHT 1105
Db 2435 ---VPVECPQPEEIPNGIIDVQGLAY-LSTALYTCKPPELVGNTTTLGGENGHMLGKRP 2490
QY 1106 TSVLNFSSPRVGISAVALTTSRIGLSAPSNCSIBDEGQNHQGS---CIHRPGKQD- 1161
Db 2491 TCKAIECLKPKELINGKFSYTDLHYGTVTYS- -NRGFRLEGPSALTCLE--TGDWDV 2545
QY 1162 SCPSLLLDHADVNCTSIGP---GLMKCA-----ITCQGFALQASSGQYIRPMQK 1209
Db 2546 DAPS-----CNAIHCDSPQPIENGFBGADYSYGALIIYSCFPGFOVAGHAMQ----- 2593
QY 1210 EILLTSSSGHWDQNV-SCLEPVDGVP-----DPSLVNY----- 1241
Db 2594 ---TCEBSGWSSSIPTCMPIDCGLRPHIDFGDCTKLKDDQGYFEQEDDMMEVRYVTPHP 2649
QY 1242 ---ANFSCSEGTK-----FL--KRCSISCVPPAKLQGLSPWLTCLLEDGLMSLPB 1285
Db 2650 PYHLGAVAKTMENTKESPATHSSNFLYGTWVSYTGNPGYELLG-NPVLICQEDGTWNGSA 2708
QY 1286 VYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGYVVAESAEGKVRNKLKI 1344
Db 2709 PSCISIECDLPTAPENGFLFTET-----SMGSAVQYSCKEGHILAGSD-----LRL 2755
QY 1345 QCLEGGIWEQGS--CIPVCGEPPRPVFEF-----MYECTNGFSLDSQCVLNC 1389
Db 2756 -CLENRMWSGASPRCEAISCKKPNPVMNGSIKGSNYTYLSTLYEBCDGY-----VLNG 2808

QY 1390 NQREKLPILCTKEGLMTQEFKLCENTLOGECPPPSELN-----SVEYKCEQG 1437
Db 2809 TERR-----TCQDDKNWDEDEPIC--IPVDCSSPPVSANGQVRGDEYTPQKEIETTCNEG 2861
QY 1438 Y-----GIGAVCSPL-CVIPPSPDVMLPENITADTLEHMMBPVK----- 1475
Db 2862 FLLEGARSRVCLANGSWSGATPDCVPVRCATP-----QLANGVTEGLDYGFMKEVTFCH 2917
QY 1476 -----VQSICTGRRQWHPDPVLVHCIOGSEP 1502
Db 2918 EGYILHGAFLKTCQSDGNWDAB-----IPLCKP 2945

RESULT 10
US-11-116-939-6
; Sequence 6, Application US/11116939
; Publication No. US2005026595A1
; GENERAL INFORMATION:
; APPLICANT: Stephen Tomlinson
; APPLICANT: Richard J. Quigg
; TITLE OF INVENTION: TISSUE TARGETED COMPLEMENT MODULATORS
; FILE REFERENCE: 19113.0115U2
; CURRENT APPLICATION NUMBER: US/11/116,939
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: 60/565,907
; PRIOR FILING DATE: 2004-04-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2048
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
US-11-116-939-6

Query Match 3.3%; Score 287; DB 7; Length 2048;
Best Local Similarity 19.1%; Pred. No. 1.9e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;
QY 233 EWVPF-----RDE-----KYPRLEVLOGPPEPEILSPLOPL-----CGQTVCDN 273
Db 56 EWLPRAPTNLTDHFEPPIGTLYLNEYCRPGYSGRPFSSIICLKNSVWTGAKDRKRKSCRN 115
QY 274 -----VELISOYNGWPLRGEKVIRYQVNVICD--DE 303
Db 116 PPDPVNGMVHVIKIQGSGQIKYCKTKGYRLIGSSSATCTISGDTVIWNETPICDRIPC 175
QY 304 GLNPVSEEQIRLQHEALNEAF---SRYNISWQLSVHQVHNSTLRHRVVLVNGEPPSKIGN 360
Db 176 GLPPTIT-----NGDFISTNRENFHY-----GSVVTYRCNPGSGGR 211
QY 361 D-----HCDPCEHPLTGYDG--DCRLQRCYSWNRDGLCHVECNM--LND 405
Db 212 KVFELVGEPSIYCTSNDDQ--VGIMSGPAPQCTIPNKCTPENVENGILVSDNRSLSFLNB 269
QY 406 PDDGDC-----C-----DPOVADVAKTCFDDPDSPKRAYMSVKELEALQLN 446
Db 270 VVEFRCPQGFVMKGPFRKVCQALNKMBELPSCSRVCOQPPPDVLA-----ERTQRD 321
QY 447 STHF--LNTYPASSVREDLAAGATW-----PMDKDAVT-----HIGIVLS 485
Db 322 KDNFSPGQEVFYSCEBQYDLRGAASMRCTPOGWSPAAPTCEVKSCHDDFMQGLINGRVLF 381
QY 486 PAYYGMPGHTDTMHEVGHVGLG--LYHVFKG-----VSERESCNDEKETVPS- 531
Db 382 PVNLQAKAVDFVCDGQFOLKSSASASYCLAGMSLWNSVPCVCEQIFC--FSPPVIPNG 439
QY 532 METG-----DICAD-----TAPTPKSEL- 549
Db 440 RHTGKPLBVFPPGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPQNGVWSSPAPRCGIL 499

QY 550 --CREPE-----PTSDTGCTRRFP--GAPFTNYMSTDDNCTDNF--- 585
Db 500 GHCOAPDHFLEPAKLKTQTNASDPFIGTSLKYECRPEYGRPFS-----ITCLDNLWMS 552
QY 586 TPNQVARMHCYIDLVIYQOWTESRKPTPIPIPMV-----IGOT 623
Db 553 SPKDVCK-----RKSCKTPPDVNGMHVITDIQVGSRINYSCTTGHRLLIGHS 600
QY 624 NKSLTI-----HW--LPII-----SGVVYDRASGSLGACTEDGTFRQYHTAS--SRRV 669
Db 601 SAECILSGNAHAWSTKPIQORIPCGLPPTIANGDFI-----STNRENFHYGSVVTYRC 654
QY 670 CDSGYWTPPEZAVGPPDV-----DQPCPSIQAWS--PEVHLYHMNMWVPCPTGCSLEL 722
Db 655 NPGSGRKVFELVGPISYCTSNDDQ-----VGIWSGAPQCIIPNKCTPENVE----- 703
QY 723 LFQHPVQADTLTLMVTSFMESSQVLFDTLELLE--NKESVHLGPLDFCDIPLTIKHL 779
Db 704 -----NGILVSDNRSLFSLNEVVEFRQCPGFVMKGPRAVYKQ----- 740
QY 780 VDGKVGKVTPTDERIEIDALLTSQHPSPICSG-CRPVRYQVLRDPPRASGLPVVTH 838
Db 741 -----ALNKWEPELPSCSRVCQP-----PPDVLH 764
QY 839 SHRKFTDVE-VTPGOMYQYQVLAEGGEL-GEAS---PPLNHIHAPYCG----- 883
Db 765 AERTQDKDNFSPQGEVFPYS--CEPGYDLRGASNRCTPQGDWSPAAPCEVKS CDDFMG 822
QY 884 ---DGK---VSERLGEE---CDDGDLVSGDCS-----KYCE----- 911
Db 823 QLLNGRVLFPVNLQGAKVDFVCDEGFLKSSASXCVLAGMESLWMSVAVCEQIFCPS 882
QY 912 -----LE-----EGFNCVGEPSL-CVM-YEGDGI----- 933
Db 883 PPVTPNGRHTGKPLEVFPFGKAVNVTCDPHDRGTSFDLIGESTIRCTSDPQNGWSSP 942
QY 934 -----CE-----PFERKTSIVDCGIYT-----PKGY-----LDQWATR 961
Db 943 APRCGILGHCOAPDHFLEPAKLKTQTNASDPFIGTSLKYECRPEYGRPFSTITCLD--NL 999
QY 962 AYSSHED--KKKC--PVS LVTEGPHSLI-----CTSYHPLDNHR----- 997
Db 1000 VMSSPKDVCKRKSCKTPPDVNGMHVITDIQVGSRINYSCTTGH-RLIGHSSAECILSG 1058
QY 998 -----PLTGWFPC-----VASENETQDRSEQPEGSLKKEDEVWLKYCFNRPGEAR 1043
Db 1059 NTAHWSTKPIQORIPCGLPPTIANGDFISTNRENFHYGSV-----VTYRCNLGSRGR 1111
QY 1044 AIF-----IFLTTDG-----LVPGEHQPTVT--LYLTDVSGSNHSL--- 1078
Db 1112 KVFELVGPISYCTSNDDQVGIWSGAPQCIIPNKCTPPNVENGILVSD---NRSLEFSL 1167
QY 1079 -----GTYGLSCQ-----HNPLINTVTHQNVLFH--HTSVLLNFSS 1114
Db 1168 NEVEFERCQPGFVMKGPRAVYKQCALNKWEPELPSCSRVCQRPPEILHGEHTPSHQDNFSP 1227
QY 1115 PRVGISAVALRTSSRIGISAPSNCSISEDEGQNHQOSCIHRPCGKQ-----DS 1162
Db 1228 -----QGEVFYSC--EPGYDLRGASLIH--CTPQGDWSPPEADRCVAKS 1266
QY 1163 CPSSL--LDHADVVNCTSIGPGLMKCAITCQGFALQASSGOYIRPMQKEILLTCSSGHW 1220
Db 1267 CDDFLGQLPHGRVLFPLNLQLG-AKVSFVCEDEGFRUKGSSVSH-----CVLVGMRSLW 1318
QY 1221 DQNVS-CLPVDGVPDPSLVNYANFSCSEG-TKFLKRCISISCPV-----PAKLQGLSPW 1272
Db 1319 NNSVPVCEHIFCPNP-PAILNGRHTGTPSGDIPYKEISYTCDPHPDRGTFENLIGEST- 1376
QY 1273 LTCLBD---GLWSLPEVYCKL-----ECDAPPIILNANULLPHCLQD-NHDVGTICKYE 1322
Db 1377 IRCTSDPHGNGVWSSAPARCELSVRAGHCKTPEQFPFASPTIP--INDFEFPVGTSLNVE 1434
QY 1323 CKPGYVAESAEGKVNKLKIQLCGEIGWE--QGSCLPVVCEPPPVVEBGM----- 1372

Db 1435 CRPGYF-----GKMFSISCIENLWSSVEDNCRRKSCGPPPEPFNGMHINTDTQ 1484
QY 1373 -----YECTNGFSL---DSQCVLNCNQEREKLPILCTKEGILWTQEFKLCENLOGECP 1422
Db 1485 FGSTVYSCNEGFRLLIGSPSTCLVSGNNV-----TWDKAPICEII--SCEP 1530
QY 1423 PPSBLNS-----VEYKCEQGYG-----IGAVCSP 1446
Db 1531 PPTISNGDFYNNRTSFHNGTVVYQCHTGPDPGEQLFELVGERSIYCTSKDQGVWSSP 1590
QY 1447 -----LCVIIP-SDPVMLPENIT---ADTLEHMMEP---VKVQSI VCTGRROWHP 1489
Db 1591 PPRCISTNKTAPBEVENAIRVPGNRSPFSLTLEIRFRQCPGFVWVGSHTVQCQTNGRW-- 1648
QY 1490 DPVLVHCIOQSCP 1502
Db 1649 GPKLPHCGRVCQP 1661

RESULT 11

US-10-055-877-211
; Sequence 211, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Paturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eissen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870

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; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
;
; LENGTH: 1574
;
; TYPE: PRT
;
; ORGANISM: Rattus norvegicus
US-10-055-877-211

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Query Match	3.3%;	Score 282.5;	DB 6;	Length 1574;
Best Local Similarity	19.7%;	Pred. No. 3e-14;		
Matches 297;	Conservative 81;	Mismatches 476;	Indels 657;	Gaps 86;

QY	338	QVHNSTLBRHV-----LVNCEPS-----KIGNDHCDPECEHPLTGYD	373
Db	169	RAHNGCCQHRVCVNTPGSYLCECKPGFRLHTDGRICLAISSCTLGNGCCQHQCVQLTVTQH	228
QY	376	GGDCRLQGRCTYSWNR-----DGLCHVECNMNLNFDGDCDP--QVADVRCYC	423
Db	229	RCQCRPQYQLQEDGRRCVRRSPCAEGNGCCWHICQELRGLAHCG--CHPGYQLAADRKTC	286
QY	424	FDPDSPKRAYMSVKELKEALQLNSTHPLNIYPASSVREDLAGAATWPKDAVTHLGIIV	483
Db	287	EDVDE-----CALGLAQCAHGCLNTQGSFKVCVCH-----	315
QY	484	LSPAYYGMFGHTDTMIHEGVHLG----LYHV-FKGVSERESCNDPCKETVPSMETGDL	537
Db	316	-----AGYEIGADGROCRIEMEIIVNSCEAGNGGCSHGCSHTSTGPL	357
QY	538	CA-----DTAPTPKSELCREDEPTSDTCGTRFPG---APFTNYSYTD	578
Db	358	CTCPRGYELDEDQKTCIDIDDCANSPPCCQ-----ACANT--PGGYECSCFAGYRLNTD	409
QY	579	-----DNCT-----DNFTPNQVARNHCYLDLVYQOWTESRKPTPI-----	613
Db	410	GCGCEDVDECASGHGCEHHCSNLAGSFQCFCEAGYRLDEDRRGCTSLSESVVDLDRLP	469
QY	614	---PIPMVIGQTNKSLTIHMLPPI---SGVYVDRASGLCGACTBDGTFRQYVHTASS	666
Db	470	FVRPLPHIAVLRD-----LPLRFQDDYGABEHAABLRGE-----HTLTR	511
QY	667	RRCV-----DSSGYWTPBEAVG-----PPDV-----DQP	690
Db	512	KFVCLDHSFGHDCSLTCDDCRNGGTCFPGQDGDCEPBGWTGIIICNETCPDPTFGKNCSSP	571
QY	691	-----CEPSLQA--WSPEVH-----	703
Db	572	CTCQNGGTCDPVLGACRCPPGVSGAHCEDCGPKGYGKHCRKCHCANRGCHRLYGACL	631
QY	704	---LYHMMNTVPCPT---EGCSLELLFQHPVQADTLTLWVTSFFMESSQVLFDETEILL	755
Db	632	CDPGLYGRFCHLACPPWAFGPGCS-----EDCLC	660
QY	756	ENKESVHLGPLDTPFCDIPLTIKLHVDKVGSKVYTFDERIBIDALLTSGHSPPLCSGC	815
Db	661	EQSHTRSCNPKDGS---SCKAGFQG-----ERCQABCESGFFGP-----GC	699
QY	816	RFVRQVLRDPPFASGLPVVVTSHSRKFTDVEVTPGQMYQYVLAEAGGELGEASPLNH	875
Db	700	R-----HR-----CTCQPG-----VACDPVSGECRTQCPP---	724
QY	876	IHGAPYCGDGKVSERLGEBCDDGDLVSGDGCSKVCELEBGFNCVGEPSLCYMYEGDGI CB	935
Db	725	-----GYQGEDCGQCECPVGTG--GVNCSGSC-----SCVGA P--CHRVTGECLCP	765
QY	936	PFERKTSIVDCGIYTPKGYLDQWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPDLPN	995
Db	766	P--GKTG-EDCGADCPBG--RWGLGC-----QEICPAC-----EHGASC-----	799

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QY      996 HRPLTGMFPCCVASENETODDRSEQPEGSLKKGEVWLKVCFNRRPGEARAFILFILTDLGV 1055
      |||
Db      800 -NPETG-----TCLCLPG-----FV----- 813

QY      1056 PGEHQOPTVTLTYLTDVGRGSNHSLGTYGLSCOHNPILIINTVTHQNVLFHHTTSVLLNFSSP 1115
      |||
Db      814 -GSRCDTC-----SAGWYGTGCQIRCA CANDGH-----CDP 844

QY      1116 RVGISAVALTSSRIGLSAPNSNCISEDEGQNHQGSCTHRPC-----GKQDSCPSLLLD 1169
      |||
Db      845 TTGRCSCA--PGWTGLSCQAC--DSG--HWGPDCTH-PCNCSAGHNCDAVSGCLC 895

QY      1170 HADV-----VNCTS--IGPGL-MKCAITCQRGFALQASSQYIRPMQKEILLTCSSGHW 1220
      |||
Db      896 EAGYEGPRCEQSCRGQYYPSCQKC--RCEGAACDHVSG-----ACTCPAG-W 942

QY      1221 -----DONVSCLPVDCGVPPSLVNYANFSCSEGTKPLKRCISICVPPA 1264
      |||
Db      943 RGSFCEHACPAFFGLDCDSAC--NCSAGAPCDAVTGSCICPAG-RWGPRCAQSCPPLT 998

QY      1265 KLQGLSPMLTCLB---DGL-----WSLPEVYCKLECDAPILNANL----- 1303
      |||
Db      999 FGLNCSQICTCFNGASCDSVTGQCHCAPGMWGPT--CLQAC--PPLGYKNQCHSCLCRN 1054

QY      1304 -----LLPHCLODNHDVGTICKYECKPGYVYVABSAEGKVRNKLKIQCLEGGI----- 1351
      |||
Db      1055 GGRCDPILGQCTCEGWTGLACENECLPGHYAAGCQ-----LNCSCLHGICDRLTG 1106

QY      1352 -----WE-----QSSCIP--VCEPP-----PVEFGMY--EC 1375
      |||
Db      1107 HCLCPAGWTGDKCOSSCVSGTFGVHCEHEHCACRKGASCHVVTGACFCFPGWRGPHCEQAC 1166

QY      1376 TNGFSLDSQCVLNCNOBREKLPILCTKEGLWTQEFKLCENLOGECPPPSBELN-SVEYKC 1434
      |||
Db      1167 PRGW-FGEACAQRC-----LCPTNA-----SCHHVTGBCRCPPGFTGLSCEQAC 1209

QY      1435 EQGYGIGAVCSPLCVIPSPDPVMLPENITADTLEHW-MEPVKQSIYCTGRRQWHPDPVL 1493
      |||
Db      1210 QPG-TFGKDCHEHLCQCPG-----ETWACDPA--SGVCTCAAGYHTGCL 1250

QY      1494 VHCIO-----SCEPF--QADGWCDTINRAYC--HYDGDCCSSTLSKKVIFPAADCD 1543
      |||
Db      1251 QRCPSGRYGPGEHICKCLNGTCDPATGACYCPAGFLGADCSLACPGR---FGPSC- 1305

QY      1544 LDECTCRDPKA 1554
      |||
Db      1306 AHVCACRQGA 1316

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RESULT 12
US-10-453-372-192
; Sequence 192, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776

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Db 113 FVCDEGFRLLKSSSVSH-----CVLVGRSLMWNNSVPCHEHIFCPNP-PAIINGRHTGT 164
Qy 1247 SEG-TKFLKRCSSICVP-----PAKLQGLSPWLTCLD-----GLWSLPEVYCKL----- 1290
Db 165 PSGDIPYGBKISYTCDPHPRGWTNFIIGEST-IRCTSDPHGNVGWSSPAPRCCLSVRAG 223
Qy 1291 ECDAPRIILNANLLPHCLQD-NHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLLEG 1349
Db 224 HCKTPEQOPFPASPTIP--INDFEFPVGTSLNYECRPGYF-----GKMFSTISCLFN 271
Qy 1350 GIWE--QGSCLPVVCEPPPVPEGM-----YECTNGFSL-----DSQCVLNC 1389
Db 272 LVWSSVEDNCRRKSCGPPPEPFGMVHINTDTQFGSTVNYSCNEGFRLLIGSPSTTCLVSG 331
Qy 1390 NOERREKLPICTKEGLWTOEFKLCENLQGECPPPSEINS-----VEYKC 1434
Db 332 NNV-----TWDKAPICRIT--SCEPPRTISGDFVSNMRTSFHNGTVVTVYQC 377
Qy 1435 EOGYG-----IGAVCSP-----LCVIPP-SDPVMLEPINITA 1464
Db 378 HTGPDGEQLFBLVGERSIYCTSKDQVGVWSSPPRCISTNKTCTAPEVENAIRVPGNRSF 437
Qy 1465 DTLEHWM-----EP-----VKQSIYCTGRQWHPDPVLVHCIQSCBP 1502
Db 438 FTLEIRFRRCQPGFVVGSHTVQCQTNGRW--GPKLPHCSRVQCP 481

RESULT 14

US-10-995-561-955
; Sequence 955, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 955
; LENGTH: 790
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-955

Query Match 2.9%; Score 253.5; DB 6; Length 790;
Best Local Similarity 22.1%; Pred. No. 2.4e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy 1149 GQSCIH-RPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITCQGFALQASSGOYIRPM 1207
Db 191 GPECEYVREGLELPQHVLMNCSHPLGNFSFN--SQCSFHCTDGYQVNG-----PS 240
Qy 1208 QKEILLTSSGHW-DQNVSCLPVDCGVPDPSPLVNYANFSCSEGTKFLKR--CSISC-- 1260
Db 241 KLECL--ASGIWTKPPOCLAAQC--PLKIPIRGNMTCIHSAKAFQHQSCEFSCEEG 295
Qy 1261 ---VPPAKLQGLSPWLTCLDGLWSLPEVYCK-LBC-----DAP-----PIILNANLL 1304
Db 296 FALVGPVAVQ-----CTASGVWTAAPAVCKAVQCQHLLEAPSEGTMDCVHPLTAFA--- 345
Qy 1305 LPHCLQDNHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLLEGIMEQ--GSCIPVVC 1362
Db 346 -----YGSSCKFECPQPGY-----RVRG-LDMLRCIDSGHWSAPLPTCEAISC 386
Qy 1363 EPPPPVPEGMVECT--NGFSLDSQCVLNCNQ--REKLPILCTKEGLWTOEFKLCENL 1416
Db 387 EPLESPVHGSMDCPSLRAFOYDTNCSFRCAEGFMLRGADIVRCDNLGQWTAPAPVCOAL 446
Qy 1417 QGECPPPPSELSNVEYKCEQYG--IGAVCS-----P 1446

Db 447 QCQDLFVP--NEARVNCSHPFAGFRYQSVCSFTCNEGLLLVGASVLQCLATGNWNSVPP 503
Qy 1447 LCVIPSPDPVMLPENITADTLEHMMPEVKVQS-----IVCTGRRO 1486
Db 504 EGOALPCTPLSPONGTMC-----VQPLGSSSYKSTCQFICDEGYSLSGPERLDCTRSGR 559
Qy 1487 WHPDPVLVHCIQSCPEPQAD-GWCDTINNR-----AYCHY--DGG-----DCCSS 1528
Db 560 WTDSPMCEAIKCELPFAPEQGSLLDCSDTRGEFNVGSTCHFSCDNGFKLEGNVNECTTS 619

RESULT 15

US-10-995-561-957
; Sequence 957, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 957
; LENGTH: 830
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-957

Query Match 2.9%; Score 253.5; DB 6; Length 830;
Best Local Similarity 22.1%; Pred. No. 2.5e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy 1149 GQSCIH-RPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITCQGFALQASSGOYIRPM 1207
Db 191 GPECEYVREGLELPQHVLMNCSHPLGNFSFN--SQCSFHCTDGYQVNG-----PS 240
Qy 1208 QKEILLTSSGHW-DQNVSCLPVDCGVPDPSPLVNYANFSCSEGTKFLKR--CSISC-- 1260
Db 241 KLECL--ASGIWTKPPOCLAAQC--PLKIPIRGNMTCIHSAKAFQHQSCEFSCEEG 295
Qy 1261 ---VPPAKLQGLSPWLTCLDGLWSLPEVYCK-LBC-----DAP-----PIILNANLL 1304
Db 296 FALVGPVAVQ-----CTASGVWTAAPAVCKAVQCQHLLEAPSEGTMDCVHPLTAFA--- 345
Qy 1305 LPHCLQDNHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLLEGIMEQ--GSCIPVVC 1362
Db 346 -----YGSSCKFECPQPGY-----RVRG-LDMLRCIDSGHWSAPLPTCEAISC 386
Qy 1363 EPPPPVPEGMVECT--NGFSLDSQCVLNCNQ--REKLPILCTKEGLWTOEFKLCENL 1416
Db 387 EPLESPVHGSMDCPSLRAFOYDTNCSFRCAEGFMLRGADIVRCDNLGQWTAPAPVCOAL 446
Qy 1417 QGECPPPPSELSNVEYKCEQYG--IGAVCS-----P 1446
Db 447 QCQDLFVP--NEARVNCSHPFAGFRYQSVCSFTCNEGLLLVGASVLQCLATGNWNSVPP 503
Qy 1447 LCVIPSPDPVMLPENITADTLEHMMPEVKVQS-----IVCTGRRO 1486
Db 504 EGOALPCTPLSPONGTMC-----VQPLGSSSYKSTCQFICDEGYSLSGPERLDCTRSGR 559
Qy 1487 WHPDPVLVHCIQSCPEPQAD-GWCDTINNR-----AYCHY--DGG-----DCCSS 1528
Db 560 WTDSPMCEAIKCELPFAPEQGSLLDCSDTRGEFNVGSTCHFSCDNGFKLEGNVNECTTS 619

Search completed: January 30, 2006, 15:31:40
Job time : 26.6781 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:15:43 ; Search time 86.5297 Seconds
(without alignments)
7523.174 Million cell updates/sec

Title: US-09-983-025B-2_COPY_234_1791

Perfect score: 8612
Sequence: 1 SPPEBSNONGEGSYRAET.....AADCDECTCRDPKAEENQ 1558

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	8612	100.0	1791	3	US-09-983-025-2 Sequence 2, Appli
2	8592	99.8	1791	3	US-09-827-998-3 Sequence 3, Appli
3	8592	99.8	1791	4	US-10-675-685-3 Sequence 3, Appli
4	8263	95.9	1770	3	US-09-827-998-10 Sequence 10, Appli
5	8263	95.9	1770	4	US-10-675-685-10 Sequence 10, Appli
6	6126	71.1	1385	3	US-09-827-998-16 Sequence 16, Appli
7	6126	71.1	1385	4	US-10-675-685-16 Sequence 16, Appli
8	3916.5	45.5	1627	3	US-09-983-025-25 Sequence 25, Appli
9	3916.5	45.5	1627	4	US-10-295-027-663 Sequence 663, Appli
10	3916.5	45.5	1627	5	US-10-783-311-1 Sequence 1, Appli
11	3916.5	45.5	1627	5	US-10-741-600-1406 Sequence 1406, Ap
12	3916.5	45.5	1627	5	US-10-991-321-32 Sequence 32, Appli
13	3916.5	45.5	1627	5	US-10-887-229A-8 Sequence 8, Appli
14	3914.5	45.5	1547	5	US-10-783-311-2 Sequence 2, Appli
15	3909.5	45.4	1752	5	US-10-450-763-41497 Sequence 41497, A
16	3602	41.8	1420	5	US-10-741-600-1403 Sequence 1403, Ap
17	3602	41.8	1420	5	US-10-741-600-1405 Sequence 1405, Ap
18	3044	35.3	1232	5	US-10-741-600-1404 Sequence 1404, Ap
19	2219	25.8	858	4	US-10-334-143-85 Sequence 85, Appli
20	1893	22.0	704	5	US-10-741-600-1402 Sequence 1402, Ap
21	1086	12.6	192	3	US-09-864-761-34265 Sequence 34265, A
22	383	4.4	70	3	US-09-864-761-42873 Sequence 42873, A
23	360.5	4.2	165	3	US-10-028-248A-47 Sequence 47, Appli
24	346.5	4.0	3567	4	US-10-107-782-47 Sequence 47, Appli
25	346.5	4.0	3567	4	US-10-107-782-47 Sequence 47, Appli
26	336.5	3.9	3571	4	US-10-603-283-2 Sequence 2, Appli
27	336.5	3.9	3594	3	US-09-911-842-4 Sequence 4, Appli

28	336.5	3.9	3594	4	US-10-150-821-4	Sequence 4, Appli
29	334.5	3.9	3557	4	US-10-295-027-430	Sequence 430, App
30	334.5	3.9	3557	4	US-10-295-027-1297	Sequence 1297, Ap
31	332.5	3.9	3568	4	US-10-028-248A-8	Sequence 8, Appli
32	332.5	3.9	3568	4	US-10-028-248A-8	Sequence 8, Appli
33	332.5	3.9	3570	4	US-10-028-248A-6	Sequence 6, Appli
34	332.5	3.9	3570	4	US-10-107-782-6	Sequence 6, Appli
35	330.5	3.8	3571	3	US-09-911-842-2	Sequence 2, Appli
36	330.5	3.8	3571	4	US-10-150-821-2	Sequence 2, Appli
37	324	3.8	63	3	US-09-864-761-34262	Sequence 34262, A
38	287.5	3.3	2039	5	US-10-450-763-30646	Sequence 1241, Ap
39	287.5	3.3	2044	4	US-10-276-774-2152	Sequence 30646, A
40	287.5	3.3	2044	4	US-10-742-887-52	Sequence 2152, Ap
41	287	3.3	1947	5	US-10-450-763-30462	Sequence 52, Appli
42	285	3.3	1929	5	US-10-450-763-30462	Sequence 30462, A
43	284	3.3	2489	3	US-09-911-842-5	Sequence 5, Appli
44	284	3.3	2489	4	US-10-150-821-5	Sequence 5, Appli
45	284	3.3	2489	5	US-10-741-600-1242	Sequence 1242, Ap

ALIGNMENTS

RESULT 1
US-09-983-025-2
; Sequence 2, Application US/09983025
; Publication No. US20030124529A1
; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGAARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG=1A
; CURRENT APPLICATION NUMBER: US/09/983, 025
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/241, 840
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: DK PA 2000 01571
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(66)
; OTHER INFORMATION: prepro part of PAPP-A2
; NAME/KEY: misc feature
; LOCATION: (67)..(699)
; OTHER INFORMATION: pro part of PAPP-A2
; US-09-983-025-2

Query Match 100.0%; Score 8612; DB 3; Length 1791;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1558; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	SPPEBSNONGEGSYRAETFNQVGLPIFYSGRRRLLRPEVLAIIPREAFYEA	60
DB	234	SPPEBSNONGEGSYRAETFNQVGLPIFYSGRRRLLRPEVLAIIPREAFYEA	293
QY	61	KPEGQNPPIAGVFNCSHTVSDKGWALGIRSGDKRKRDARFFPSLCTDRVKA	120
DB	294	KPEGQNPPIAGVFNCSHTVSDKGWALGIRSGDKRKRDARFFPSLCTDRVKA	353
QY	121	ISHSRYPGTWTHVAATYDGRMALVYDGTQVASSLDQSGPLNSPFMA	180
DB	354	ISHSRYPGTWTHVAATYDGRMALVYDGTQVASSLDQSGPLNSPFMA	413
QY	181	EDGHYFRGLGLTVFWSGTALPQSHFQSSQSSGSEERATDVLVTAS	240
DB	414	EDGHYFRGLGLTVFWSGTALPQSHFQSSQSSGSEERATDVLVTAS	473

QY 241 KYPRLEVLQGFEPREPEILSPLQRPPLCGQTVCDNVELISQYNGYWPRLRGEKVIKYQVNNIC 300
Db 474 KYPRLEVLQGFEPREPEILSPLQRPPLCGQTVCDNVELISQYNGYWPRLRGEKVIKYQVNNIC 533
QY 301 DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 360
Db 534 DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGGDCRLQGRCTYWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCTYWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
QY 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNIFYFASSVREDLAGAATWPKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNIFYFASSVREDLAGAATWPKDAVTHLG 713
QY 481 GIVLSPAYYGMGHDTMTIHEVGHVGLYHVKGVSERESCNDPCKEATVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMGHDTMTIHEVGHVGLYHVKGVSERESCNDPCKEATVPSMETGDLCAD 773
QY 541 TAPTPKSELCREPEPTSDTCGTRFPGARPTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELCREPEPTSDTCGTRFPGARPTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQOWTESRKPTPIPIPMVIGQTNKSLLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 660
Db 834 YQOWTESRKPTPIPIPMVIGQTNKSLLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 893
QY 661 VHTASSRRVCDSSGYWTPPEAVGPPDVDQPEPSLQAWSPPEVHLYHMMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSGYWTPPEAVGPPDVDQPEPSLQAWSPPEVHLYHMMNTVPCPTGCSL 953
QY 721 ELLFOHPVQADTLTLMTSFFMESSQVLFTEILLLENKESVHLGPLTFPCDIPLTIKLHV 780
Db 954 ELLFOHPVQADTLTLMTSFFMESSQVLFTEILLLENKESVHLGPLTFPCDIPLTIKLHV 1013
QY 781 DGKVSQVYVTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPRASGLPVVTHSH 840
Db 1014 DGKVSQVYVTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPRASGLPVVTHSH 1073
QY 841 RKFTDVEVTPGQMYQVLAELAGGELGEASPPLNHIHAPYCGDGKYSERLGEBCDDGL 900
Db 1074 RKFTDVEVTPGQMYQVLAELAGGELGEASPPLNHIHAPYCGDGKYSERLGEBCDDGL 1133
QY 901 VSGDGSKVCELEEGFNCVGEPSLCYMEEGDICEPFERKTSIVDCGITYPKGYLDQWAT 960
Db 1134 VSGDGSKVCELEEGFNCVGEPSLCYMEEGDICEPFERKTSIVDCGITYPKGYLDQWAT 1193
QY 961 RAYSSHEDKKCPVSLVTGBPHSLICTSYHDLPNHRPLTGMFPCVASENETODDRSEOP 1020
Db 1194 RAYSSHEDKKCPVSLVTGBPHSLICTSYHDLPNHRPLTGMFPCVASENETODDRSEOP 1253
QY 1021 EGSLKKEDEVWLKVCFNRPGEARAFIFLTLDGLVPGEHQPTVTLVLTDVRSNHSLSGT 1080
Db 1254 EGSLKKEDEVWLKVCFNRPGEARAFIFLTLDGLVPGEHQPTVTLVLTDVRSNHSLSGT 1313
QY 1081 YGLSCQHNPLIINTVTHQNVLFHHTTSVLNFPSSPRVGISAVALRTSSRIGLSAPSNCTIS 1140
Db 1314 YGLSCQHNPLIINTVTHQNVLFHHTTSVLNFPSSPRVGISAVALRTSSRIGLSAPSNCTIS 1373
QY 1141 EDEGQNHQOGSCIHRCGKQDSCPSLLLDHADVNNCTSIGPGLMKCAITCQGFALQASS 1200
Db 1374 EDEGQNHQOGSCIHRCGKQDSCPSLLLDHADVNNCTSIGPGLMKCAITCQGFALQASS 1433
QY 1201 GQYIRPMQKEIILLTSSGHWQNVSLPVDGVPDPSLVNRYANFSCSEGTKFLKRCISISC 1260
Db 1434 GQYIRPMQKEIILLTSSGHWQNVSLPVDGVPDPSLVNRYANFSCSEGTKFLKRCISISC 1493
QY 1261 VPPAKLQGLSPWLTLCLDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLQGLSPWLTLCLDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1553
QY 1321 YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQGSCLPVVCEPPPPVFEQMYECTNGFS 1380

Db 1554 YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQGSCLPVVCEPPPPVFEQMYECTNGFS 1613
QY 1381 LDSQCVLNCNQEREKLPILCTKEGWTQEFKLCENLQGECPPPSELSNVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCNQEREKLPILCTKEGWTQEFKLCENLQGECPPPSELSNVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIIPSPDVMLPENITADTLHEMMEPVKQSVCTGRROWHPDPVLVHCIOQC 1500
Db 1674 GAVCSPLCVIIPSPDVMLPENITADTLHEMMEPVKQSVCTGRROWHPDPVLVHCIOQC 1733
QY 1501 EPPQADGNCDTINNRAYCHYDGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1558
Db 1734 EPPQADGNCDTINNRAYCHYDGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1791

RESULT 2
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-827-998-3

Query Match 99.8%; Score 8592; DB 3; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1555; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNNGEGSYREAEFTNSQVGLPILYFSGRERILLRPEVLAIEIPREAFTEAWV 60
Db 234 SPPEESNNGEGSYREAEFTNSQVGLPILYFSGRERILLRPEVLAIEIPREAFTEAWV 293
QY 61 KPREGQNNPAIIAGVFDNCSHTVSDKMGALGIRSGKDKGRDARFFFSICTDRVKATIL 120
Db 294 KPREGQNNPAIIAGVFDNCSHTVSDKMGALGIRSGKDKGRDARFFFSICTDRVKATIL 353
QY 121 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLQDSGPLNSPFMASCRSLLGGDS 180
Db 354 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLQDSGPLNSPFMASCRSLLGGDS 413
QY 181 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSSEEEATDLVLTASFEPVNTWVPFRDE 240
Db 414 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSSEEEATDLVLTASFEPVNTWVPFRDE 473
QY 241 KYPRLEVLQGFEPREPEILSPLQRPPLCGQTVCDNVELISQYNGYWPRLRGEKVIKYQVNNIC 300
Db 474 KYPRLEVLQGFEPREPEILSPLQRPPLCGQTVCDNVELISQYNGYWPRLRGEKVIKYQVNNIC 533
QY 301 DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 360
Db 534 DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGGDCRLQGRCTYWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCTYWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
QY 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNIFYFASSVREDLAGAATWPKDAVTHLG 480

Db	654	KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVRBDLAGAATWPMWDXAVTHLG	713
QY	481	GIVLSPAYYGMPGHTDTMIHEVGHVGLGYHVKGVSERESCNDPCKETVPSMETGDLCAD	540
Db	714	GIVLSPAYYGMPGHTDTMIHEVGHVGLGYHVKGVSERESCNDPCKETVPSMETGDLCAD	773
QY	541	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	600
Db	774	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	833
QY	601	YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYDRASGSLCGACTEDGTFRQY	660
Db	834	YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYDRASGSLCGACTEDGTFRQY	893
QY	661	VHTASSRVRCDSSGYWTPBEAVGPPDVDQPCPSLQAWSBEVHLYHMMNTVPCPTGCSL	720
Db	894	VHTASSRVRCDSSGYWTPBEAVGPPDVDQPCPSLQAWSBEVHLYHMMNTVPCPTGCSL	953
QY	721	ELLFQHPVQADTLTLWTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLAHV	780
Db	954	ELLFQHPVQADTLTLWTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLAHV	1013
QY	781	DGKVSQVKVYTFDERIEIDALLTSQPHSPLCSGCRPVRYQLRDPFPASGLPVVYVTHSH	840
Db	1014	DGKVSQVKVYTFDERIEIDALLTSQPHSPLCSGCRPVRYQLRDPFPASGLPVVYVTHSH	1073
QY	841	RKFTDVEVTPGQMYQYQVLAAGELGEASPLNHIHGAPYCGDGKVSERLGEEDCDGDL	900
Db	1074	RKFTDVEVTPGQMYQYQVLAAGELGEASPLNHIHGAPYCGDGKVSERLGEEDCDGDL	1133
QY	901	VSGDGSKVCELSEGFNCVGBPSLCMYBEGDICEPFERKTSIVDCGIYTPKGYLDQWAT	960
Db	1134	VSGDGSKVCELSEGFNCVGBPSLCMYBEGDICEPFERKTSIVDCGIYTPKGYLDQWAT	1193
QY	961	RAYSSHEDKKKCPVSLVTGEBSHLICTSYHPDLPNHRPLTGWFPVASENETQDDRSQOP	1020
Db	1194	RAYSSHEDKKKCPVSLVTGEBSHLICTSYHPDLPNHRPLTGWFPVASENETQDDRSQOP	1253
QY	1021	EGSLKKEDEVWLKVCFNRPGEARAIIFLTTDGLVPGHQPTVTLYLTDVRGSNHSIGT	1080
Db	1254	EGSLKKEDEVWLKVCFNRPGEARAIIFLTTDGLVPGHQPTVTLYLTDVRGSNHSIGT	1313
QY	1081	YGLSCQHNPLIINVTHQNVLFHHTTSVLNLFSSPRVGISAVALRTSSRIGLSAPSNCTIS	1140
Db	1314	YGLSCQHNPLIINVTHQNVLFHHTTSVLNLFSSPRVGISAVALRTSSRIGLSAPSNCTIS	1373
QY	1141	EDEGQNHQGSCTIHRPCGKODSCPSLLLDHADVAVNCTSIGPGLMCAITCQGRFALQASS	1200
Db	1374	EDEGQNHQGSCTIHRPCGKODSCPSLLLDHADVAVNCTSIGPGLMCAITCQGRFALQASS	1433
QY	1201	GQYIRPMQKEIILTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISC	1260
Db	1434	GQYIRPMQKEIILTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISC	1493
QY	1261	VPPAKLQGLSPWLTCLEDGLMSLBEVYCKLECDAPRIILNANLLPHCLQDNHVGITICK	1320
Db	1494	VPPAKLQGLSPWLTCLEDGLMSLBEVYCKLECDAPRIILNANLLPHCLQDNHVGITICK	1553
QY	1321	YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPVFEGMEECTNGFS	1380
Db	1554	YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPVFEGMEECTNGFS	1613
QY	1381	LDSQCVLNCNOERREKLPIILCTKEGLMTQBFKLCENLQGBRPPPSSELSNVEYKCEQYGI	1440
Db	1614	LDSQCVLNCNOERREKLPIILCTKEGLMTQBFKLCENLQGBRPPPSSELSNVEYKCEQYGI	1673
QY	1441	GAVCSPLCVIPPSDPVNLBENITADTLEHMEPVKVQSICTGRROMHPDVLVHCTIQSC	1500
Db	1674	GAVCSPLCVIPPSDPVNLBENITADTLEHMEPVKVQSICTGRROMHPDVLVHCTIQSC	1733
QY	1501	EPFQADGWCDTINNRAYCHYDGGDCCSSTLSKKVIPAADCDDLDECTCRDPKABENQ	1558
Db	1734	EPFQADGWCDTINNRAYCHYDGGDCCSSTLSKKVIPAADCDDLDECTCRDPKABENQ	1791

RESULT 3
US-10-675-685-3
; Sequence 3, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-3

Query Match 99.8%; Score 8592; DB 4; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1555; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY	1	SPPEBSNONGEGSYREAEFTNSQVGLPILYSGRRERLLRPEVLAIPREAFTEAWV	60
Db	234	SPPEBSNONGEGSYREAEFTNSQVGLPILYSGRRERLLRPEVLAIPREAFTEAWV	293
QY	61	KPEGQNNPAIIAGVEDNCSHTVSDKGWALGIRSGDKGRDARFFSLCTDRYKATIL	120
Db	294	KPEGQNNPAIIAGVEDNCSHTVSDKGWALGIRSGDKGRDARFFSLCTDRYKATIL	353
QY	121	ISHSRYPGTWTHVATYDGRMALYVDGTQVASSLDQSGPLNSPFMASCRSLLGDDSS	180
Db	354	ISHSRYPGTWTHVATYDGRMALYVDGTQVASSLDQSGPLNSPFMASCRSLLGDDSS	413
QY	181	EDGHYFRGLGTLVFWSTALPQSHFOHSSQHSSEEEATDVLVTASFEPVNTENVFRDE	240
Db	414	EDGHYFRGLGTLVFWSTALPQSHFOHSSQHSSEEEATDVLVTASFEPVNTENVFRDE	473
QY	241	KYPRLEVLFQFEPEBELISPLQPLCGQIVCDNVELISQYNGYWPLRGEKVIROYVNIC	300
Db	474	KYPRLEVLFQFEPEBELISPLQPLCGQIVCDNVELISQYNGYWPLRGEKVIROYVNIC	533
QY	301	DDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCBPSKIGN	360
Db	534	DDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCBPSKIGN	593
QY	361	DHCDPECEHPLTGYDGDCLQGRCSWNRDGLCHVECNMNLNDFDDGDCDPOVADVR	420
Db	594	DHCDPECEHPLTGYDGDCLQGRCSWNRDGLCHVECNMNLNDFDDGDCDPOVADVR	653
QY	421	KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVRBDLAGAATWPMWDXAVTHLG	480
Db	654	KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVRBDLAGAATWPMWDXAVTHLG	713
QY	481	GIVLSPAYYGMPGHTDTMIHEVGHVGLGYHVKGVSERESCNDPCKETVPSMETGDLCAD	540
Db	714	GIVLSPAYYGMPGHTDTMIHEVGHVGLGYHVKGVSERESCNDPCKETVPSMETGDLCAD	773
QY	541	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	600
Db	774	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV	833
QY	601	YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYDRASGSLCGACTEDGTFRQY	660
Db	834	YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYDRASGSLCGACTEDGTFRQY	893

QY 661 VHTASSRRVCDSSGYWTPPEAVGPPVDVDPCEPSSLQAMSPPEVHLVHNMNTVPCPTGCSL 720
| | | | |
Db 894 VHTASSRRVCDSSGYWTPPEAVGPPVDVDPCEPSSLQAMSPPEVHLVHNMNTVPCPTGCSL 953
QY 721 ELLFQHPVQADTLTLWVTSFFMESSQVLPDTEILLENKESVHLGLPDTFCDIPLTIKLAHV 780
| | | | |
Db 954 ELLFQHPVQADTLTLWVTSFFMESSQVLPDTEILLENKESVHLGLPDTFCDIPLTIKLAHV 1013
QY 781 DGKVGKVVYTFDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVVTSH 840
| | | | |
Db 1014 DGKVGKVVYTFDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVVTSH 1073
QY 841 RKFTDVEVTPGQMYQYQVLAABAGGELGBASPPLNHIGAPYCGDGKYSERLGBECDGDL 900
| | | | |
Db 1074 RKFTDVEVTPGQMYQYQVLAABAGGELGBASPPLNHIGAPYCGDGKYSERLGBECDGDL 1133
QY 901 VSGDGSKVCLEBEGFNCVGEPSLCYMEEGDICEPFEKTSIVDCGIYTPKGYLDQWAT 960
| | | | |
Db 1134 VSGDGSKVCLEBEGFNCVGEPSLCYMEEGDICEPFEKTSIVDCGIYTPKGYLDQWAT 1193
QY 961 RAYSSHEDKKCPVSLVTGEPHSLICTSYHNDLPNHRPLTGMFPCVASENETQDDRSEOP 1020
| | | | |
Db 1194 RAYSSHEDKKCPVSLVTGEPHSLICTSYHNDLPNHRPLTGMFPCVASENETQDDRSEOP 1253
QY 1021 EGSLKKEDEVWLKVCFNRPGEARAFIFLTLDGLVGEHQOPTVTLXYLTVRGSNHSLSGT 1080
| | | | |
Db 1254 EGSLKKEDEVWLKVCFNRPGEARAFIFLTLDGLVGEHQOPTVTLXYLTVRGSNHSLSGT 1313
QY 1081 YGLSCQHNPLINVTTHQNVLFHHTTSVLNNESSPRVGISAVALRTSSRIGLSAPSNCSIS 1140
| | | | |
Db 1314 YGLSCQHNPLINVTTHQNVLFHHTTSVLNNESSPRVGISAVALRTSSRIGLSAPSNCSIS 1373
QY 1141 EDEGQNHQGSCTHRPCGKQDSCPSLLDHDVNVCTSIGPLMKCAITCORGALQASS 1200
| | | | |
Db 1374 EDEGQNHQGSCTHRPCGKQDSCPSLLDHDVNVCTSIGPLMKCAITCORGALQASS 1433
QY 1201 GQYIRPMQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISC 1260
| | | | |
Db 1434 GQYIRPMQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISC 1493
QY 1261 VPPAKLQGLSPWLTCLEDLGWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTICK 1320
| | | | |
Db 1494 VPPAKLQGLSPWLTCLEDLGWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTICK 1553
QY 1321 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPFPVFEGMXECTNGFS 1380
| | | | |
Db 1554 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPFPVFEGMXECTNGFS 1613
QY 1381 LDSQCVLNCNQERELPILCTKEGLMTQEFKLCENLQGECPRPPELSNVYKCEQGYGI 1440
| | | | |
Db 1614 LDSQCVLNCNQERELPILCTKEGLMTQEFKLCENLQGECPRPPELSNVYKCEQGYGI 1673
QY 1441 GAVCSPLCVIPSPDPVMLPENITADTLEHMMEPYKQSIIVCTGRQWHPDPVLVHICISC 1500
| | | | |
Db 1674 GAVCSPLCVIPSPDPVMLPENITADTLEHMMEPYKQSIIVCTGRQWHPDPVLVHICISC 1733
QY 1501 EPFOADGWCDTINNRAVCHYDGGDCSSSTLSSKVIIPFADCDLDECTCRDPAEENQ 1558
| | | | |
Db 1734 EPFOADGWCDTINNRAVCHYDGGDCSSSTLSSKVIIPFADCDLDECTCRDPAEENQ 1791

RESULT 4

US-09-827-998-10
; Sequence 10, Application US/09827998
; Patent No. US20020102252a1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-10

Query Match 95.9%; Score 8263; DB 3; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNONGEGSYREAFETFNSQVGLPILYFSGRERLLRPEVLAIPREAFTEAWV 60
| | | | |
Db 234 SPPEESNONGEGSYREAFETFNSQVGLPILYFSGRERLLRPEVLAIPREAFTEAWV 293
QY 61 KPEGQNNPAIIAGVFDNCSTVSDKGWALGIRSGDKGRDARPFPSLCTDRVKATIL 120
| | | | |
Db 294 KPEGQNNPAIIAGVFDNCSTVSDKGWALGIRSGDKGRDARPFPSLCTDRVKATIL 353
QY 121 ISHSRYQPGTWHVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDSS 180
| | | | |
Db 354 ISHSRYQPGTWHVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDSS 413
QY 181 EDGHYFRGLGTLVFWSTALPQSHFQSSQHSGBEATDVLTPASFEPVNTWVPFRDE 240
| | | | |
Db 414 EDGHYFRGLGTLVFWSTALPQSHFQSSQHSGBEATDVLTPASFEPVNTWVPFRDE 473
QY 241 KYPRLEVLOGFEPEPEILSPLOPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNIC 300
| | | | |
Db 474 KYPRLEVLOGFEPEPEILSPLOPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNIC 533
QY 301 DDEGLNPVISEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLHRVVLVNCEPSKIGN 360
| | | | |
Db 534 DDEGLNPVISEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLHRVVLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMNLNDDGDCDPQVADVR 420
| | | | |
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMNLNDDGDCDPQVADVR 653
QY 421 KTCFDPDSPKRAYMSVKELKEALQUNSTHPLNIYFASSVREDLAGAATWPKDAVTHLG 480
| | | | |
Db 654 KTCFDPDSPKRAYMSVKELKEALQUNSTHPLNIYFASSVREDLAGAATWPKDAVTHLG 713
QY 481 GIVLSPAYYMGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540
| | | | |
Db 714 GIVLSPAYYMGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 773
QY 541 TAPTPKSELCEBEPTSDTCGTRFPGADFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
| | | | |
Db 774 TAPTPKSELCEBEPTSDTCGTRFPGADFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQOWTESRKPTPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 660
| | | | |
Db 834 YQOWTESRKPTPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 893
QY 661 VHTASSRRVCDSSGYWTPPEAVGPPVDVDPCEPSSLQAMSPPEVHLVHNMNTVPCPTGCSL 720
| | | | |
Db 894 VHTASSRRVCDSSGYWTPPEAVGPPVDVDPCEPSSLQAMSPPEVHLVHNMNTVPCPTGCSL 953
QY 721 ELLFQHPVQADTLTLWVTSFFMESSQVLPDTEILLENKESVHLGLPDTFCDIPLTIKLAHV 780
| | | | |
Db 954 ELLFQHPVQADTLTLWVTSFFMESSQVLPDTEILLENKESVHLGLPDTFCDIPLTIKLAHV 1013
QY 781 DGKVGKVVYTFDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVVTSH 840
| | | | |
Db 1014 DGKVGKVVYTFDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVVTSH 1073
QY 841 RKFTDVEVTPGQMYQYQVLAABAGGELGBASPPLNHIGAPYCGDGKYSERLGBECDGDL 900
| | | | |

Db 1074 RKFTDVEVTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGL 1133
QY 901 VSGDGSCKVCELEEGFNCVGEPSLCYMYEGDICEPERKTSIVDCGIYTPKGYLDQWAT 960
Db 1134 VSGDGSCKVCELEEGFNCVGEPSLCYMYEGDICEPERKTSIVDCGIYTPKGYLDQWAT 1193
QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPVCVASENETODDRSEOP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPVCVASENETODDRSEOP 1253
QY 1021 EGSLKKEDEWLVKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 1080
Db 1254 EGSLKKEDEWLVKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 1313
QY 1081 YGLSCQHNPLINVTTHQNVLFHHTTSVLLNFSSPRVGISAVALETSSRIGLSAPSNCSIS 1140
Db 1314 YGLSCQHNPLINVTTHQNVLFHHTTSVLLNFSSPRVGISAVALETSSRIGLSAPSNCSIS 1373
QY 1141 EDEGQNHGQSCSIHRPCGKQDSCPSLLDHDADVNTCSIGPGLMKCAITCQGFALQASS 1200
Db 1374 EDEGQNHGQSCSIHRPCGKQDSCPSLLDHDADVNTCSIGPGLMKCAITCQGFALQASS 1433
QY 1201 GQYIRPMQKEILLTCSSGHWDQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC 1260
Db 1434 GQYIRPMQKEILLTCSSGHWDQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC 1493
QY 1261 VPPAKLQGLSPWLTCLEDGLWSLPETYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLQGLSPWLTCLEDGLWSLPETYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1553
QY 1321 YECKPGYVAASAEKVRNKLKIQCLEGGIWEQSCIPVVCBPPPVFEQMYECTNGFS 1380
Db 1554 YECKPGYVAASAEKVRNKLKIQCLEGGIWEQSCIPVVCBPPPVFEQMYECTNGFS 1613
QY 1381 LDSQCYLNCNQERKLPILCTKEGLMTQEFKLCENLQEGCPRPPELSINSVEYKCEQGYGI 1440
Db 1614 LDSQCYLNCNQERKLPILCTKEGLMTQEFKLCENLQEGCPRPPELSINSVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIPSPDPMLENITADTLEHMEPVKQSVCTGRRQWHPDVLVHCIOQC 1500
Db 1674 GAVCSPLCVIPSPDPMLENITADTLEHMEPVKQSVCTGRRQWHPDVLVHCIOQC 1733
QY 1501 E 1501
Db 1734 E 1734

RESULT 5
US-10-675-685-10
; Sequence 10, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmca Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-10

Query Match 95.9%; Score 8263; DB 4; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPESSNQNGEGSYREAEFTNGVGLPILYFSGRERLLRBEVLAEIPREAEFTVEAWV 60
Db 234 SPPESSNQNGEGSYREAEFTNGVGLPILYFSGRERLLRBEVLAEIPREAEFTVEAWV 293
QY 61 KPEGGQNNPAIIAGVFDCNSHTVSDKGWALGIRSGDKDKRDARFFESLCTDRVKKATIL 120
Db 294 KPEGGQNNPAIIAGVFDCNSHTVSDKGWALGIRSGDKDKRDARFFESLCTDRVKKATIL 353
QY 121 ISHRYPGTWTHVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRLILGGDSS 180
Db 354 ISHRYPGTWTHVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRLILGGDSS 413
QY 181 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSSEBEATDVLVTASFEPVNTWVPFRDE 240
Db 414 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSSEBEATDVLVTASFEPVNTWVPFRDE 473
QY 241 KYPRLVQLQFEPEPEILSPLOPPLCGQTVCDNVELISQNGYWPRLRGEKVIRYQVNVIC 300
Db 474 KYPRLVQLQFEPEPEILSPLOPPLCGQTVCDNVELISQNGYWPRLRGEKVIRYQVNVIC 533
QY 301 DDEGLNPIVSEBQIRLOHEALNEAFSRYNISWQLSVHQVNSTLRHRVVLVNCPEPSKIGN 360
Db 534 DDEGLNPIVSEBQIRLOHEALNEAFSRYNISWQLSVHQVNSTLRHRVVLVNCPEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGDGDCRLQGRCYSWNRDGLCHVECNMNLNDFDDGDCDDPOVADVR 420
Db 594 DHCDPECEHPLTGYDGDGDCRLQGRCYSWNRDGLCHVECNMNLNDFDDGDCDDPOVADVR 653
QY 421 KTCFDPDSPKRAYMSVKELKALQLNSTHFLNITYPASSVREBDLAGAATWPKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKALQLNSTHFLNITYPASSVREBDLAGAATWPKDAVTHLG 713
QY 481 GIVLSPAYYGMPGHTDMIHGVHVLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMPGHTDMIHGVHVLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 773
QY 541 TAPTPKSELCREBEPSTDTGCFTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELCREBEPSTDTGCFTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYVYDRASGSLCGACTBEDGTFRQY 660
Db 834 YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYVYDRASGSLCGACTBEDGTFRQY 893
QY 661 VHTASSRRVCDSSGYWTPBEAVGPPDVDQPCPSLQAMSPVHLYHMMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSGYWTPBEAVGPPDVDQPCPSLQAMSPVHLYHMMNTVPCPTGCSL 953
QY 721 ELLFQHPVQADTLTLWTSFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLHY 780
Db 954 ELLFQHPVQADTLTLWTSFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLHY 1013
QY 781 DGKVSQVYTFDERIEIDAALLTSQHPSPICSGGCRPVRYQVLRDPPFASGLPVVYTHSH 840
Db 1014 DGKVSQVYTFDERIEIDAALLTSQHPSPICSGGCRPVRYQVLRDPPFASGLPVVYTHSH 1073
QY 841 RKFTDVEVTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGL 900
Db 1074 RKFTDVEVTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGL 1133
QY 901 VSGDGSCKVCELEEGFNCVGEPSLCYMYEGDICEPERKTSIVDCGIYTPKGYLDQWAT 960
Db 1134 VSGDGSCKVCELEEGFNCVGEPSLCYMYEGDICEPERKTSIVDCGIYTPKGYLDQWAT 1193
QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPVCVASENETODDRSEOP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPVCVASENETODDRSEOP 1253
QY 1021 EGSLKKEDEWLVKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 1080
Db 1254 EGSLKKEDEWLVKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 1313

QY	1081	YGLSCÖHNPLIINVTHÖNVLFHHTTSVLLNFSSPRVGISAVALRTSSRIGLSAPNSNCIS	1140
Db	1314	YGLSCÖHNPLIINVTHÖNVLFHHTTSVLPNFSSPRVGISAVALRTSSRIGLSAPNSNCIS	1373
QY	1141	EDEGÖNHÖGÖSCIHPRPCGÖDSCPSLLLDHADVNVCTSIGPGLMCAITCÖRGFALÖASS	1200
Db	1374	EDEGÖNHÖGÖSCIHPRPCGÖDSCPSLLLDHADVNVCTSIGPGLMCAITCÖRGFALÖASS	1433
QY	1201	GÖYIRPMÖKEILLTCSGHWÖDÖNVSCLPVDCGVDPDPSLVNYANFSCSEGTKFLKRCISISC	1260
Db	1434	GÖYIRPMÖKEILLTCSGHWÖDÖNVSCLPVDCGVDPDPSLVNYANFSCSEGTKFLKRCISISC	1493
QY	1261	VPRAKLÖGLSPWLTCLEBDGMSLPYEVYCKLECDAPRIILNANLLPHCLÖDNHDVGTICK	1320
Db	1494	VPRAKLÖGLSPWLTCLEBDGMSLPYEVYCKLECDAPRIILNANLLPHCLÖDNHDVGTICK	1553
QY	1321	YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEÖGSCIPVYCEPPPVFEGMEYECTGFS	1380
Db	1554	YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEÖGSCIPVYCEPPPVFEGMEYECTGFS	1613
QY	1381	LDSÖCVLNCNÖERREKLPICTKEGLMTÖEFKLCENLÖGECPBPPELSNVSEYKCEÖGYGI	1440
Db	1614	LDSÖCVLNCNÖERREKLPICTKEGLMTÖEFKLCENLÖGECPBPPELSNVSEYKCEÖGYGI	1673
QY	1441	GAVCSPLCVIPPSPDPMLENTADTLEHMMEPVKVÖSIVCTGRÖWHPDPVLVHCIOÖSC	1500
Db	1674	GAVCSPLCVIPPSPDPMLENTADTLEHMMEPVKVÖSIVCTGRÖWHPDPVLVHCIOÖSC	1733
QY	1501	E 1501	
Db	1734	E 1734	

```

RESULT 6
US-09-827-998-16
; Sequence 16, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-16

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Query Match	71.1%;	Score 6126;	DB 3;	Length 1385;
Best Local Similarity	73.6%;	Pred. No. 0;		
Matches 1147;	Conservative	0;	Mismatches 5;	Indels 406;
				Gaps 1;
QY	1	SPPEESNONGEGGSYREAEFTNSQVGLPILYFSGRERLLLRPEVLAIRPREAFTVEAWV	60	
Db	234	SPPEESNONGEGGSYREAEFTNSQVGLPILYFSGRERLLLRPEVLAIRPREAFTVEAWV	293	
QY	61	KPEGGONNPAILAGVFDNCSTVSDKMGALGIRSGKDKGRDARFFPSLCTDRVKKATIL	120	
Db	294	KPEGGONNPAILA-----	306	
QY	121	ISHSRYPGFTWTHVAATYDGRHMALVYDGTQVASSLDQSGPLNSPFMACSRLLGGDSS	180	
Db	307	-----	306	
QY	181	EDGHYFRGHILGTLVFWSTALPOSHFQHSQHSQSSGEEAATDLVLTASFEPVNTIEWVPFRDE	240	

Db	307	-----	306
Qy	241	KYPRLEVLQGFEBEPEILSPLOPPLCGQTVCDNVELISQYNGWYPLRGEKVIRQVNVIC	300
Db	307	-----	306
Qy	301	DDEGLNPVSEEQIRLQHEALNEAFSRVNIWQLSVHQVHNSTLRHRYLVNCEPSKIGN	360
Db	307	-----	306
Qy	361	DHCDPECEHPLTGYDGGDCRLQGRCSYWNRRDGLCHVECNMMLNFDGDCDDPQVADV	420
Db	307	-----	306
Qy	421	KTCFDPDSPKRAYMSVKELKEALQLNSTHPLNIYFASSVREDLAGAATWPKDAVTHLG	480
Db	307	-----G	307
Qy	481	GIVLSPAYYGMPGHTDTMIEHGVHVLGLYHVEKVSERESCNDPCKETVPSMETGDLCAD	540
Db	308	GIVLSPAYYGMPGHTDTMIEHGVHVLGLYHVEKVSERESCNDPCKETVPSMETGDLCAD	367
Qy	541	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNDCTDNFTPNQVARMHCYLDLV	600
Db	368	TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNDCTDNFTPNQVARMHCYLDLV	427
Qy	601	YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY	660
Db	428	YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY	487
Qy	661	VHTASSRRVCDSSGYWTPEEAVGPRDVDQPCBPSSLQAWSPEVHLYHNMNTVPCPTGCSL	720
Db	488	VHTASSRRVCDSSGYWTPEEAVGPRDVDQPCBPSSLQAWSPEVHLYHNMNTVPCPTGCSL	547
Qy	721	ELLFQHPVQADTLTLWVTSFEMESSQVLPDTEILLENKESVHLGLDTPCDIPLTIKLAHV	780
Db	548	ELLFQHPVQADTLTLWVTSFEMESSQVLPDTEILLENKESVHLGLDTPCDIPLTIKLAHV	607
Qy	781	DGKVSQVKVYTFDERIEIDALLTSQPHSPLCSGGRPVRYQVLRDPPFASGLBPVVVTHSH	840
Db	608	DGKVSQVKVYTFDERIEIDALLTSQPHSPLCSGGRPVRYQVLRDPPFASGLBPVVVTHSH	667
Qy	841	RKFTDVEVTPGOWYQYVLAAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGDL	900
Db	668	RKFTDVEVTPGOWYQYVLAAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGDL	727
Qy	901	VSGDGSCKVCELEBGFNCYGEPSLCYMEGDCICEPERKTSIVDCGYTPPKGYLDQWAT	960
Db	728	VSGDGSCKVCELEBGFNCYGEPSLCYMEGDCICEPERKTSIVDCGYTPPKGYLDQWAT	787
Qy	961	RAYSSHEDKKCPVSLVTGEPHSLICTSYHPDLPMHRPLTGMFPCVASENETODDRSEQP	1020
Db	788	RAYSSHEDKKCPVSLVTGEPHSLIRTSYHPDLPMHRPLTGMFPCVASENETODDRSEQP	847
Qy	1021	EGSLKKEDEVMLKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLYLTVDVRGSNHSLSGT	1080
Db	848	EGSLKKEDEVMLKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLYLTVDVRGSNHSLSGT	907
Qy	1081	YGLSCQHNPLIINVTHQVNLFHHTTSVLNFISSPRVGISAVALRTSSRIGLSAPNSNCIS	1140
Db	908	YGLSCQHNPLIINVTHQVNLFRHTTSVLNFISSPRVGISAVALRTSSRIGLSAPNSNCIS	967
Qy	1141	EDBEGQNHQGSCHIRPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCAITCQGRFALQASS	1200
Db	968	EDBEGQNHQGSCHIRPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCAITCQGRFALQASS	1027
Qy	1201	GGYIRPMQKEIILLTSSGHDQNVSCLPVDCGVPDPBSLVNYANFSCSEGTKFLKRCISISC	1260
Db	1028	GGYIRPMQKEIILLTSSGHDQNVSCLPVDCGVPDPBSLVNYANFSCSEGTKFLKRCISISC	1087
Qy	1261	VPPAKLQGLSPWLTCLEDDGLMSLPEVYCKLECDAPRIINANLLPHCLQDNHDVGTICK	1320

Db 1088 VPPAKLQGLSPWLTCLIEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDTVGTICK 1147
QY 1321 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPPVPEGMTECTNGFS 1380
Db 1148 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPPVPEGMTECTNGFS 1207
QY 1381 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENTLOGECPPPPSSELSVEYKCEQYGI 1440
Db 1208 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENTLOGECPPPPSSELSVEYKCEQYGI 1267
QY 1441 GAVCSPLCVIPSPDPVMLPENITADTLEHWMBPVKVQSICTGRQWHPDPVLVHCIOQC 1500
Db 1268 GAVCSPLCVIPSPDPVMLPENITADTLEHWMBPVKVQSICTGRQWHPDPVLVHCIOQC 1327
QY 1501 EPEQADGWCDTINNRAYCHVDGDCSSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1558
Db 1328 EPEQADGWCDTINNRAYCHVDGDCSSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1385

RESULT 7
US-10-675-685-16
; Sequence 16, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-16

Query Match 71.1%; Score 6126; DB 4; length 1385;
Best Local Similarity 73.6%; Pred. No. 0;
Matches 1147; Conservative 0; Mismatches 5; Indels 406; Gaps 1;

QY 1 SPEESNONGGSGSYRAETFNQVGLPILYFSGRRERLLRPEVLABIPREAFTEAMV 60
Db 234 SPEESNONGGSGSYRAETFNQVGLPILYFSGRRERLLRPEVLABIPREAFTEAMV 293
QY 61 KPEGQNNPAIIAGVFNCSHTVSDKGMALGIRSGDKGRDARFFSLCTDRYKATIL 120
Db 294 KPEGQNNPAIIA----- 306
QY 121 ISHSRYQPGTWTHTVAATYDGRMALYVDGTQVASSLDQSGPLNSPFMASCRSLIGDSS 180
Db 307 ----- 306
QY 181 EDGHYFRHGLTLVFWSTALPQSHFOHSSQHSGBEATDLVLTASFEPVNTWVFRDE 240
Db 307 ----- 306
QY 241 KYRPLEVLQGFPEPEILSPLOPLCGQTVCDNVELLISQYNGWMLRGEKVIROYVNIC 300
Db 307 ----- 306
QY 301 DDEGLNPIVSEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN 360
Db 307 ----- 306
QY 361 DHCDPECEHPLTGYDGDCLRLQGRCYSWNRDGLCHVECNMMLNDFDDGCCDPQYADV 420
Db 307 ----- 306

QY 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYPASSVREDLAGAATWPMDKDAVTHLG 480
Db 307 -----G 307
QY 481 GIVLSPAYYGMPGHTDTMIHEGVHLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540
Db 308 GIVLSPAYYGMPGHTDTMIHEGVHLGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 367
QY 541 TAPTPKSELCREPEPTSDTCGFTTRPGAPFTNYMSTDDNCTDNFTPNQVARMHCYLDLV 600
Db 368 TAPTPKSELCREPEPTSDTCGFTTRPGAPFTNYMSTDDNCTDNFTPNQVARMHCYLDLV 427
QY 601 YQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 660
Db 428 YQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY 487
QY 661 VHTASSRRVCDSSSGYWTPEBAVGPPDVDQPCBPISLOAMSPEVHLHYMNMTPPCPTGCSL 720
Db 488 VHTASSRRVCDSSSGYWTPEBAVGPPDVDQPCBPISLOAMSPEVHLHYMNMTPPCPTGCSL 547
QY 721 ELLFQHPVQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLV 780
Db 548 ELLFQHPVQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLV 607
QY 781 DGKVSQVKTFTFDERIRIDALLTSQPHSPLCSGCGPVRYQVLRDPPFASGLPVVYTHSH 840
Db 608 DGKVSQVKTFTFDERIRIDALLTSQPHSPLCSGCGPVRYQVLRDPPFASGLPVVYTHSH 667
QY 841 RKFTDVEVTPGQMYQYQVLAEGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGL 900
Db 668 RKFTDVEVTPGQMYQYQVLAEGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGL 727
QY 901 VSGDGSQVCELBEFNCVGEPSLCYMEBGDICEPFRKTSIVDCGIYTPKGYLDQWAT 960
Db 728 VSGDGSQVCELBEFNCVGEPSLCYMEBGDICEPFRKTSIVDCGIYTPKGYLDQWAT 787
QY 961 RAYSHEDKCKCPVSLVTGEPHSLICTSYHPDLPHNRPLTGMFPCVASENETQDDRSEQP 1020
Db 788 RAYSHEDKCKCPVSLVTGEPHSLIRTSYHPDLPHNRPLTGMFPCVASENETQDDRSEQP 847
QY 1021 EGSLLKEDVWLKVCNRPGEARAIPIFLTITDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 1080
Db 848 EGSLLKEDVWLKVCNRPGEARAIPIFLTITDGLVGEHQOPTVTLVLTVDVRSNHSLSGT 907
QY 1081 YGLSCQHNPLIINVTHQNVLFHHTTSVVLNESPVRVIGISAVALRTSSRIGLSAPSNCTIS 1140
Db 908 YGLSCQHNPLIINVTHQNVLFHHTTSVVLNESPVRVIGISAVALRTSSRIGLSAPSNCTIS 967
QY 1141 EDEGQNHQOSCIHRPGKQDSCPSLLDHDADVNTSIGPGLMKCAITCQGFALQASS 1200
Db 968 EDEGQNHQOSCIHRPGKQDSCPSLLDHDADVNTSIGPGLMKCAITCQGFALQASS 1027
QY 1201 GQYIRPMQKEILLTSGSGHWDQNVSLPYDCGVDPDSLWNYANFSSCEGTFKLRCSISC 1260
Db 1028 GQYIRPMQKEILLTSGSGHWDQNVSLPYDCGVDPDSLWNYANFSSCEGTFKLRCSISC 1087
QY 1261 VPPAKLQGLSPWLTCLIEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDTVGTICK 1320
Db 1088 VPPAKLQGLSPWLTCLIEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDTVGTICK 1147
QY 1321 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPPVPEGMTECTNGFS 1380
Db 1148 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPPPPVPEGMTECTNGFS 1207
QY 1381 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENTLOGECPPPPSSELSVEYKCEQYGI 1440
Db 1208 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENTLOGECPPPPSSELSVEYKCEQYGI 1267
QY 1441 GAVCSPLCVIPSPDPVMLPENITADTLEHWMBPVKVQSICTGRQWHPDPVLVHCIOQC 1500
Db 1268 GAVCSPLCVIPSPDPVMLPENITADTLEHWMBPVKVQSICTGRQWHPDPVLVHCIOQC 1327

QY 1501 EPFOADGWCDTINNRAYCHYDGDCCSSTLSKKVIIPAADCDDLECTCRDPKABENQ 1558
Db 1328 EPFOADGWCDTINNRAYCHYDGDCCSSTLSKKVIIPAADCDDLECTCRDPKABENQ 1385

RESULT 8

US-09-983-025-25

; Sequence 25, Application US/09983025
; Publication No. US20030124529A1
; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGAARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG=1A
; CURRENT APPLICATION NUMBER: US/09/983,025
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/241,840
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: DK PA 2000 01571
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-025-25

Query Match 45.5%; Score 3916.5; DB 3; Length 1627;

Best Local Similarity 45.8%; Pred. No. 9.3e-297;

Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY 16 REAETFNSQVGLP--ILYFSGRRL--LRLPEVLAETPREAFTVEAWVKPEGQNNPAII 72
Db 80 REARGATEEPSPSRALYFSGRGEQLRLRADL--ELPRDAFTLQVWLRABEGQSPAVI 137
QY 73 AGVFDNCSTHTSDKGNALGIRSGDKGRDARFPFSLCTDRVKATILISHSRYPQGTWT 132
Db 138 TGLYDKCSYISRDGNVGIHTISDQDNKDPRIFFSLKTRARQVTTINAHRSYLLPGQWV 197
QY 133 HVAATYDGRHMAIYVDTQVASSLDQSGPLNSPFMACSRLLLGDSSEDEGHYFRGHLGT 192
Db 198 YLAATYDGFMKLYVNGAQVATSGEAVGIFSPLTQCKVLMGG--SALAHNYRGIYEH 255
QY 193 LVFWSTALPQSHFQSSQHSSEBEATDLVLTASFEPTVNTWVPFRDEKYPRIEV--LQG 250
Db 256 FSLMKVARTQREILSDMETHGAHTALPQLLQENWMDNVKHAWSPMKDGSSPKVEFSNAHG 315
QY 251 FEPEPEILSPLOPPLCGQTCVCDNVELISQYNGWPLRGEKVIROYOVNICDEGLNPVVS 310
Db 316 FLDD---TSLPPLCGQTLCDNTEVIASYNQSSFRQPKVVRVRYVNLVEDDHKNPTVT 371
QY 311 BEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLHRVVLVNCEPSKIGNHCDPECEHP 370
Db 372 REQVDFQHQLAEAFKQYNISWELDVLEVSNSILRRLLILANCDISKIGENDCEPCNHT 431
QY 371 LTGYDGDGCR-LQGRCTSMNRADGLCHVECNMNLNDFDDGDCDPQVADVRKTCFDPDSP 429
Db 432 LTGHDGDCRHLRHPAFVKKQHNQVCDMDCNRYERNFDGGECCDPEITNTVQTCTFDPDSP 491
QY 430 KRAYMSVKELKEALQLNSTHFLNIYPASSVREDLAGAATWPMWDXAVTHLGIVLSPAYY 489
Db 492 HRAYLDVNELKNILKLDGSTHLNIFPAKSEEBELAGVATWPMWDEKALMHLGIVLNPSPY 551
QY 490 GMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAITAPPKSEL 549
Db 552 GMPGHTHTMIHEIGHSLGLYHVFGRISIEIQSCSDPCMETEPSFETGDLCDNTNPAPKHS 611
QY 550 CREPEPTSDTCGFTFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQQTESRK 609
Db 612 CGDPGPGNDTCGFHSFTNTPYNNFMSYADDDCTDSFTPNQVARMHCYLDLVYQGMQPSRK 671
QY 610 PTPIPIPPMVIQGTNKSLLTIHMLPRISGVVYDRAAGSLCGACTBDGTFRQYVHTASSRV 669

Db 672 PAPVALAPQYLGHITTDSTVLEWFPPIDGHFFERELGASACHLCLEGILLVQYASNASSPMP 731
QY 670 CDSGQYWTPEBAVGPDPVDQPCBPGLQAWSPEVHLYHMMNTVPCP--TEGCSLELLFQHPV 728
Db 732 CSPSGHWSPREAEGHPDVEQPCSSVRTWSPNSAVNPHTVPPACPEBQCYLELEFLYPL 791
QY 729 QADTLTLWT--SFEWESSQVLFDTLLENKESVHLGPLDTFCIDPLTIKL-HVDGKVS 785
Db 792 VPESLTIWTFVSTWDSSGAVNDIKLAVSGKNISLGPQNVFCVPLTIRLMDVGEENV 851
QY 786 GVKVYTFPERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVWTHSHRKFTD 845
Db 852 GIQIYTLDEHLEIDAAMLTSTADTPLCLQCKPLKVVVRDPLQMDVASIL-HLNRKFVD 910
QY 846 VEVTFGQMYQVLAABAGELGEASPLNHIHGAPYCGDGKVSERLGECCDDGLVSGDG 905
Db 911 MDLNLGSVYQYVITISGTESESPSPAVYIIGRGYCGDGIIOKQGBQCDMKNKINGDG 970
QY 906 CSKVCLEBEGNVCVEPSLCYMEGDGICBPFRKTSIVDCGIYTPKGYLDQWATRAYSS 965
Db 971 CSLFCRQEVSNFCIDEPSRCYFHDGDGVEEFQKTSIKDCGVYTPQGFILDQWASNASVS 1030
QY 966 HEDKKCPVSLVTGER-HSLICTSYHPLDPNHRPLTGMFPCVASENETQDDRSEQPEGSL 1024
Db 1031 HQD-QQCPGWLIGQPAASQVCRKVIDLSEGISQHWMPCTISYPYSQ----- 1078
QY 1025 KKEDVWLKVCNRPGEARAFIFLFTDGLVGEHQOQPTVTLVTFVRSNHSIGTYGLS 1084
Db 1079 LAQTFWLRAVFSQPMVAAVIHLVTDGTYGQKQETISVQLDPTKQSHDLGLHVLIS 1138
QY 1085 QQHNPLIINVTHQNVLFHHTTSVTLNFSBPRVIGISAVALRTSSRIGLSAPNSCISEDEG 1144
Db 1139 CRNNPLIPVVDHLSQPFYHSQAVRVFSFSLVAISGVALRSFDNFDPYTLSSC-QRGET 1197
QY 1145 QNHQGSCTHRPCQKQDSCPSLLDHAIVNCTSI---GPGIMKCAITCQRGFALQASS 1200
Db 1198 YSPABQSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG--AQTIVSCRTGYVLQIRR 1252
QY 1201 GQYIRPMQ--KEILLTSSGHMDQNVSCIPVDGVPDPSPLVNRYANBSCEGTFKLKRSI 1258
Db 1253 DDELKISQTPSVTVTCTEGKMNQVACEPVDCSIPIDHQVYAASFCPEGTTFGSQCSF 1312
QY 1259 SCVPPAKLQGLSPWLTCLEDGLWSLPEVYCKLECDAPRIILNANLLBPHCLQDNHDVGTI 1318
Db 1313 QCRHPAQLKGNNSLLTCMEDGLWSFPEALCELMCLAPRPVNPADLQTCARCRENKHKVGSF 1372
QY 1319 CKYECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVVCSEPPPEVFEQMYECTNG 1378
Db 1373 CKYKCKPGYHVFSSR-KSKKRAFKTQCTQDGSWQEGACVPTCDPPPKFHGLYQCTNG 1431
QY 1379 FSLDSQCVLNC-----NQERKLPILCTYEGILWQEFKLCENTLQEGCPPPELSNS-VFY 1432
Db 1432 QFNVSECRICKEDSDASQGLGNSVIHCRKDGITWNGSFHVQCEMQGC-SVPNELNSNLKL 1490
QY 1433 KCEQYIGIGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKVQSIYCTGRRQWHPDV 1492
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDIPIHMLNPTVERVCTAGLKWYPHPA 1550
QY 1493 LVHCIOSECFQADGWCDTINNRAYCHYDGDCCSSTLSKKVIIPAADCDD-ECTCRD 1551
Db 1551 LIHCVKGCEPFMGDNVCDAINNRAFCNVYDGDCTSTVTKTKVTPFMSCDLQGDACARD 1610
QY 1552 PKABEN 1557
Db 1611 POAQEH 1616

RESULT 9

US-10-295-027-663

; Sequence 663, Application US/10295027

; Publication No. US2003022350A1

; GENERAL INFORMATION:

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; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezl, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 663
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-295-027-663
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Query Match 45.5%; Score 3916.5; DB 4; length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

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QY 16 REAETNSQVGLP--ILYFSGRRL--LLRPEVLAIEPREAFTVEAMVKEGGQNNPAII 72
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Db 80 REARGATEBSPSPSRALYFSRGEGQLRLRADL--ELPRDAFTLQVWLRAEGGQRSFAVI 137
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 73 AGVFNDNSHTVSDKGMALGRSGDKDKRDARFFPSLCTDRVKKATILISHSRYPGTWT 132
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 138 TGLYDKCSYISRDRGMWVGIIHTISDQDNKDPRIFFSLKTDRAKQVTTINAHRSYLPQWV 197
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 133 HVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDSSEDEGHYFRGHLGT 192
   ::||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 198 YLAATYDQFMKLYNGAQVATSGEYVGIFFSPLTQCKVLMG--SALNHNRYGYIEH 255
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 193 LVFWSTALPQSHFQHSQHSSEGEAEATDLVLTASFEPVNTWVPEFRDEKYPRLAV--LQG 250
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 256 FSLMKVARTQREILSDMETHGANTALPQLLLQENWMDNVKAWSPMKDSSPKVEFSNAHG 315
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 251 FEDEPEILSPLOPPLCGQTVCDNVELLISQYNGYWPFLRGEKYIRYOVNII CDDEGLNPIVS 310
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 316 FLID-----TSLRPPLCGQTLCDNTEVIASYNQLSSFRQPKVRYRYRVNLYEDDHKNPTVT 371
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 311 EEOIRLOHEALNEAFSRYNISWQSVHGVHNSTLRHVVVLVNCPEPSKIGNDHCDPECHP 370
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 372 REQVDFOHQALAEAFKQYNISWELDVLEVSNSLRRLILANCDISKIGDENCDEPCHNT 431
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 371 LTGYDGGDCR--LQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVRKTCFDPDSP 429
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Db 432 LTGHDGDCRHLRHPAFVKQKHNGVCDMDCNTERFNFGECCDPEITNVITQTCFDPDSP 491
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QY 430 KRAYMSVKELKEALQLNSTHFINIYFASSVREDLAGAATWMDKAVTHLGGIVLSPAY 489
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 492 HRAYLDVNELKNILKLDGSTHLINEFFAKSSSEELAGVATWMDKALMHLGGIVLNPSPFY 551
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 490 GMPGHTDTMIHEVGHVGLYHVEFKVSESERESCNDPCKETVPSMETGDLCADTAPTPKSEL 549
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 552 GMPGHTHTMIHEIGSLGLYHVFRCISRIQSCSDPCMETEPSFETGDLCDNTNPAPKHS 611
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
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Db 612 CGDPGPGNDTCGFHSFENTPYNNFMSYADDDCTDSFTPNQVARMHCYLDLVYQQWPSRK 671
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 610 PTPPIPPMVIQTNKSLLTIHMLPPISGVYDRASGLCGACTEDGTFRQYVHTASSRV 669
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Db 672 PAPVALAPQVLGHTTDSVLTLEWFPPIIDGHFFERELGSACHLCLEGRILVQYASNASSPMP 731
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 670 CDSGYWTPBEAVGPPVDQCEPSLQAWSPEVHLYHNMNTVPCP--TEGCSLELFPQHPV 728
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 732 CSPSGHWSPREABGHPPVQPCSSSVRTWSPNSAVNHPVTPACBPBQCYLELFLVPL 791
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 729 QADTLTLWVT--SFMESSQVLPDTEILLLENKESVHLGPLDTFCDIPLTIKL--HVDGKYS 785
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 792 VPESLTIWTVSTWDSSGAVNDIKLAVSGKNISLGPQNVFCDVPLTIRLMDVGEVY 851
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 786 GVKVYTPDERIEIDALLTSQPHSPPLCSGCRPVRYQLRDPFPASGLPVVVTSHKFTD 845
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 852 GIQIYTLDEHLEIDAAMLITADTLPCLQCKPLKYVRDPLQMDVASIL--HLNRKHYD 910
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 846 VEVTPGOMYQYVLAEGELGEASPLNHIHGAPYCGDKVSERLGEBCDDGLVSGDG 905
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 911 MDNLGSVYQYVWITISGTESESPSPAVTYIHGRGYCGDGIQKQGEQCDMDMKINGDG 970
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 906 CSKYCELEEGFNCVGEPSLCYMEBGDICEPFERKTSIVDCGIYTPKGYLDQWATRAYSS 965
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 971 CSLFCRQEVSPNCIDEPSCYFHDGDVCEFEQKTSIKDCGVYTPQGLDQWASNASYS 1030
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 966 HEDKKKCPVSLVTGER--HSLICTSYHPDLPNHRPLTGMFPVASENETQDDRSEQPEGL 1024
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1031 HQD-QQCPGWIIGQPAASQVCRKVIDLSEGISQHMVPCITISYPYSQ----- 1078
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1025 KKEDEVWLKVCFNRPGEARAIFILTTDGLVPGEHQPTVTLVLT DVRGSNHSLGTYGLS 1084
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1079 LAQTFWLRAYFSQPMYAAAVIHLVTDGTYGQDQKQETISVQLDTRKQSHDLGLHVLIS 1138
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QY 1085 CQHNPLIINTVTHQNVLFHHTTSVLANFSSPRVGISAVALRTSSRIGLSAPSNCISEDEG 1144
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1139 CRNNPLIIPVHDLISQPFHSQAVRVSFSSPLVAISGVALRSFDFNFPVTLSSC--QREGT 1197
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1145 QNHQGSQCIHRPCGKODSCPSLLLDHADVNCTSI----GPELMCAITCQRFALQASS 1200
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1198 YSPAQSCVHFACEKTD--CELAVENAS--LNCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1201 GQYIRPMQ--KEILLTSGSHWDQNVSCLPVDCGVDPBSLVNYANFSCSEGTFLKRCST 1258
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1253 DDELIKSGTGPSVTVCTEGKMNKQVACEPVDGSI PDHQVYAAASFSCPEGTTFGSCCSF 1312
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1259 SCVPRAKLQGLSPWLTCLDEGLMSLPBVYCKLECDAPPIILNANLLPHCLQDNHDVGTI 1318
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1313 QCRHPAQLKGNNSLLTCEMEDGLMSFPBALCELMCLAPPPVPNADLQIARCRENKHVGSF 1372
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1319 KYECKPGYTYVAESAEGYRNKLLKIQCLEGGIWEQSCIPVCEBPPPVFEGMTGCTNG 1378
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1373 CKYCKCPGYHVPSSR--KSKRAFKTQCTQDGSWQGACVPVTCPPPKFHLGYQCTNG 1431
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1379 FSLDQCVLNC-----NQEREKLPILCTKEGLWTQEFKLCENLQGECPPPPSSEINS--VEY 1432
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 1432 FQFNSECRIKCEDSDASQGLGNSNVIHCRKDGTMNGSFHVCQEMQGOC--SVPNELSNLKL 1490
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
QY 1433 KCEQGYGIGAVCSPLCVLPSSDPVMLPENITADTLEHWMPEPVKQVOSIVCTGRROWHPDEV 1492
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Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVARDIPHWLNPTREVERVCTAGLKMYPHPA 1550
QY 1493 LVHCIOGCEPQADGWCDTINNRAYCHYDGGCCSSTLSSKVIIPFAADCDLD-ECTCRD 1551
Db 1551 LIHCVKGCPEFMGDNYCDAINNRAFCNYDGGDCTSTVTKKVTPEFMSCDLQGDCCACRD 1610
QY 1552 PKAEEN 1557
Db 1611 PQAQEH 1616
RESULT 10
US-10-783-311-1
; Sequence 1, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; CURRENT FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1627
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-783-311-1

Query Match 45.5%; Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;
QY 16 REAETFNSQVGLP--ILYFSGRRRL-LLRPEVLAIPREAFVTEAWKPEGQNNPAII 72
Db 80 REARGATEEPPSPRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRAEGQKSPAVI 137
QY 73 AGVFDCNHTVSDKGMALGIRSGDKGKRDARFFSLCTDRVKKATILISHSRYPGTWT 132
Db 138 TGLYDKCSYISRDRGWVYGIHTISDQNDKDPRYFSLKTDRAQVTTINAHRSYLPQWV 197
QY 133 HVAATYDGRHMAIYVDTQVASSLDQSGPLNSPFMACSRLLLGDSSEDEGHYFRGLGT 192
Db 198 YLAATYDQGFMKLYVNGAQVATSGEYVGFISPLTQCKVLMLG--SALNHNVRGYIEH 255
QY 193 LVFWSTALPQSHFQHSQSSGSEBEATDLVLTASFEPVNTWVPFRDEKYPRLVY--LQG 250
Db 256 FSLWKVARTQREILSDMETHGAHTALPQLLQENMDNVKHAMSPMKDSSPKVFEFSNAG 315
QY 251 FEPEPEILSPLQPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNVICDEGLNPIVS 310
Db 316 FLDD---TSLPPLCGQTLCDNTEVIASYNQLSSFRQPKVVRVNVLYEDHKNPVT 371
QY 311 EEQIRLOHEALNEAFSRYNISWQLSVHQVNSTLRHVVLVNCEPSKIGNDHCECEHP 370
Db 372 REQVDFQHQLAEAFKQYNTSMELDVLEVSNSLRRRLILANCDISKIGDENCDECNHT 431
QY 371 LTGYDGGDCR-LQGRCYSNRRDGLCHVECNNMLNDFDGDCCDQVADVRAKTCFDPDSP 429
Db 432 LTGHDGGDCRHLRHPAFVKQHNGVCDMDCNERFNFDBGECDDPEITVNTQTCFDPDSP 491
QY 430 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLGGIYLSPAY 489
Db 492 HRAYLDVNLKNILKLDGSTHLNIFPAKSSSEELAGVATWPMWDXEALMHLGGIYLNPSFY 551
QY 490 GMPGHTDTMIHEVGHVLYGHVFKGVSERESCNDPCKETVPSMETGDLCADTAPPKSEL 549
Db 552 GMPGHTHTMIHEIGHSLGLYHVERGISEIQSCSDPCMETEPPSFETGDLCDNTNPAPKHKS 611
QY 550 CREPEPTSDTCGTFTRPGAFPTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQGWTESRK 609

Db 612 CGDPGPGNDTCGFHSFENTPYNNFMSYADDDCTDSFTPNQVARMHCYLDLVYQGWQPSRK 671
QY 610 PTPRIPPMVIGQTNKSLTIHMLPPISGVYVDRAAGSLGACTEDGTFERQYVHTASSRV 669
Db 672 PAPVALAPQLGHTTDSVTLWEFPPIDGHFEERELGSACHLCLEGRILVQYASNASSBMP 731
QY 670 CDSGMYTPPEAVPRPDVDQPCPSILOAMSPEVHLYHMMNTVPCP--TEGCSLELLFOHPV 728
Db 732 CSPSGHWSPREABGHPDVEQPCSSVRTWSPNSAVNPHTVPRACPPEQGCYLELEFLYPL 791
QY 729 QADTLTMVT--SFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKL-HVDGKVS 785
Db 792 VPESLTIWTVFVSTDWDSGAVNDIKLAVSGKNISLGPQNVFCDVPLTIRLMDVGEVY 851
QY 786 GVKVYTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHSHRKFTD 845
Db 852 GIQIYTLDEHLEIDAMLSTADTPLCLQCKPLKYKVRDPPLOMDVASIL-HLNKKFVD 910
QY 846 VEVTPGOMYQVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGLVSGDG 905
Db 911 MDLNGSVQYWWITISGTEESESPPAVYIHRGYCGDGIQKQGEQCDMKNKINGD 970
QY 906 CSKVCLEBEGFNCVGEPSLCYMYEGDICEPERKTSIVDCGIYTPKGLDQWATRAYSS 965
Db 971 CSLFCRQEVSEFNCIDERSRCYFHDGDGVEEFGKTSIKDCGVYTPGFLDQWASNASVS 1030
QY 966 HEDKKKCPVSLVTGER-HSLICTSYHNPDLBNHRPLTGMFPCVASENETQDDRSEQPEGSL 1024
Db 1031 HQD-QQCPGWVIGQPAASQVCRKTVLIDSEGISQHAMYPCTISYPSQ----- 1078
QY 1025 KKEDEVWLKVCNRPGEARAFIFLTTDGLVPGEHQOPTVTLVLTVYRGSNHSLGTYGLS 1084
Db 1079 LAQTTFWLRAVFSQPMVAAYIVHLVTDGTYGQKQETISVQLDPTDQSHDLGLHVL 1138
QY 1085 QQHNPLIINVTHQNVLFHHTTSVLLNESPVRVIGISAVALRTSSRIGLSAPNSCISEDEG 1144
Db 1139 CRNNPLIIPVVDLSQPFYHSQAVRVSFSPVLAISGVALRSFDNFPVTLSSC-QRGET 1197
QY 1145 QNHQOSCIHRPCQKQDSCPSLLDHDVNVCTSI---GRLMKCAITQGRFALQASS 1200
Db 1198 YSPAQSCVHFACEKTD-CPELAVENAS-INCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252
QY 1201 GQYIRPMQ--KEIILLTSSGHWQDQVSCLPVDCGVDPDSLNVYANFSGSGTKFLKRC 1258
Db 1253 DDELIKSQGTGSPVTVTCTEGKMNKQVACEPDCSIPDHQVYAAFSCEPGTTFGSQCSF 1312
QY 1259 SCVPPAKLQGLSPWLTCLEDGLMSLPVYCKLECDAPPIILNANLLPHCLQDNHDVGTI 1318
Db 1313 QCRHPAQLKGNNSLITCMEDGLMSFPEALCELMCLAPRPVPNADLQYARCRENKHKVG 1372
QY 1319 CKYECKPGYVYASAEKVRNKLKIQCLEGGIWEQSCIPVVCBPPPVFEGMYECTNG 1378
Db 1373 CKYKCKPGYHVPGSSR-KSKKRAFKTQCTQDGSWQEGACVPVTCDPPEKFGHLYQCTNG 1431
QY 1379 FSLDSQCVLNC-----NQEREKLPILCTKEGLWTQEFKLCENTLOGECPBPSELNS-VEY 1432
Db 1432 FQFNSECRIKCEDSDASQGLGSNVIHCRKQGTWNGSFHVCQEMQGC-SVNEELNSNLKL 1490
QY 1433 KCEQGYGIGAVCSPLCVIPSPDVMLENITADTLEHMMBPVKVQSIYCTGRQWHPDPV 1492
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVARDIPHWLNPTREVERVCTAGLKMYPHPA 1550
QY 1493 LVHCIOGCEPQADGWCDTINNRAYCHYDGGCCSSTLSSKVIIPFAADCDLD-ECTCRD 1551
Db 1551 LIHCVKGCPEFMGDNYCDAINNRAFCNYDGGDCTSTVTKKVTPEFMSCDLQGDCCACRD 1610
QY 1552 PKAEEN 1557
Db 1611 PQAQEH 1616

RESULT 11


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US-10-741-600-1406
; Sequence 1406, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1406
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1406

Query Match          45.5%; Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY 16 REAETFNSQVGLP--ILYFSGRRRL-LLRPEVLAIPREAFVTEAWKPEGQNNPAII 72
   ||| : ||||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 80 REARGATEEPPSPSRALYFSGRGEQLRLRADL--ELPRDAFTLQVWLRABGGQRPAAVI 137

QY 73 AGVFDCSHTVSDKGWALGIRSGDKGKRDARFFPSLCTDRVKATILISHRYQDPTWT 132
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 138 TGLYDKCSYISRDGWNVGHIHTISDQDNKDPRYFSLKTRARQVTTINAHRSYLPGQWV 197

QY 133 HVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMAACRSLLIGDSSSEDEGHYFRHGLT 192
   ::||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 198 YLAATYDQGFMKLYVNGAQVATSGEQVGIFSPLTQCKVLMIGG--SALNHNRYGTYEH 255

QY 193 LVFWSTALPQSHFOHSSQHSSEBEATDLVLTASFEPVNTWVPRDEKYPRLV--LQG 250
   | | | : | | : | | : | | : | | : | | : | | : | | : | | : | |
Db 256 FSLMKVARTQREILSDMETGHAHTALPQLLQENWNVKHAMSPMKDGSSPKVEFSNAHG 315

QY 251 FEDEPEILSPLOPPLCGQTVCDNVELISQNGWPLRGEKVIKYQVNNICDEGLNPIVS 310
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 316 FLDD---TSLRPPLCGQTLCDNTEVIASYNQLSSFQPKVYRVRVNLXEDDHKNPTVT 371

QY 311 BEQIRLOHEALNEAFSRYNISWQSVHQVHNSTLRHRVVLNCEPSKIGNDHCDPECEHP 370
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 372 REQVDFOHQLEAFKQYNISWELDVLEVNSSLRRRLILANDISKIGDENCDEPCHHT 431

QY 371 LTGYDGGDCR-LQGRCYSNRRDGLCHVECNMNLNDFDGDCCDPQVADVRKTCFDDSP 429
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 432 LTGHDGDCRHLRHPAFVKQKNGVCDMDCNTERFNFDDGECDDPEITVTQTCFDDSP 491

QY 430 KRAYMSVKELKEALQLNSTHFLNIYPASSVREDLAGAATWPDKDAVTHLGGIVLSPAYV 489
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 492 HRAVLDVNLKNILKLDGSTHNLIPFAKSEBELAGVATWPDKEALMLHGGIVLNSFY 551

QY 490 GMPGHTDTMIHEVGHVGLYHVFKVSERESNDPCKETVPSMETGDLCADTAFTPKSEL 549
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
Db 552 GMPGHTHTMIHEIGHSLGLYHVFGRGISEIQSCSDPCMETEBSFETGDLCDNTNPAKHS 611

QY 550 CREPEPTSDTCGTRFPGAPFTNMSYTDNCTDNFTPNQVARMHCYLDLVYQOWTSRK 609
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 612 CGDPGPGNDTCGFHSFNTPNVNMYSYADDCTDSFTPNQVARMHCYLDLVYQOWPSRK 671

QY 610 PTPPIRPMVIGQTKSLTIHMLPISGVVYDRASGSLCGACTEDGTFROYVHTASSRV 669
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 672 PAPVALAPQVLGHTTDSVLTLEWFPPIDGHFFREILGSACHLCEGRILVQYASNAASSMP 731

QY 670 CDSRGWTPBEAVGPPVDQPCBSLQAWSPEVHLYHNMVTPCP--TEGCSLELFGHY 728
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 732 CSPSGHWSPREAEGHPDVEQPCSKSVKRTWSPNSAVNPHYTPACPEPQGCYLELEFLYPL 791

QY 729 QADTLTLMVT--SPFMESQVLEDTLEILLENKESVHLGPLDTFCDIPLTIKL-HVDKYS 785
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 792 VPESLTIWTFVSTWDSSGAANDIKLLAVSGKNSLGPQNVFCVPLTIRLMDVGEEVY 851
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QY 786 GVKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYOVLRDPEFASGLPVVVTSHSRKFTD 845
   ||:| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 852 GIQIYTLDEHLEIDAAMLTSTADTPLCLQCKPLKRYVRDPLQMDVASIL-HLNKRFVD 910

QY 846 VEVTPGQMYQYVLAEBAGGELGEASPLNHIHGAPYCGDKVSRRLGEECDGDGLVSDG 905
   ::| : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 911 MDLNLGSVYQYVWITISGTEESEBSPAVTYIHGRYCGDGLIQKDQGEQCDNMKNGDG 970

QY 906 CSKVCELEBGFNCVGEBSLCYMYEGDICEPFERKTSIVDCGITYTPKGYLDQWATRAYSS 965
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 971 CSLFCROEVSFNCIDERSRCYFHDGDGVCEBEFQKTSIKDCGVYTPQGFLLDQMASNASVS 1030

QY 966 HEDKKCPVSLVTGEP-HSLICTSYHPDLPNHRPLTGWFPVASENETQDDRSEDEBSL 1024
   || : || : || : || : || : || : || : || : || : || : || : ||
Db 1031 HQD-QQCPGWIIIGQPAASQVCRKVIDLSEGISQHAMYPCTISYPYSQ----- 1078

QY 1025 KKEDEVMLKVCFNRPGEARAIFILTTDGLVPGEHQOPTVTLYLTDVRGSNHSILGYGLS 1084
   : || : || : || : || : || : || : || : || : || : || : || : ||
Db 1079 LAQTTFWLRAYFSQPMVAAVIVHLVTDGTYYGDQGETISVQLDPTKQSHDLGLHYLS 1138

QY 1085 QQHNPLIINTVTHQNVLFHHTTSVLNLFSSPRVGISAVALRTSSRIGLSAPNSCISEDEG 1144
   ||:| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1139 CRNNPLIIPVNHDLQGFYHSQAVRVSFSSPLVAISGVALRSFDNFDPTLSSC-QRGET 1197

QY 1145 QNHQGSCTIHRPCGKQDSCPSLLDHDADVNCSTI---GPGIMKCAITCQGFALQASS 1200
   : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 1198 YSPAEOQCVHFACEKTD-CPELAVENAS-INCSSSDRYHG--AQCTVSCRTGYLQIRR 1252

QY 1201 GQYIRPMQ--KEILLTSSGHWQNVSCLPVDCGVDPDSLNVYANFSCSEGTFLKRCIS 1258
   : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1253 DDELIKSQGTSPSVTVTCBEGKWNQVACEPVDCSIPTHQVYAAFSQPEGTFSQCSF 1312

QY 1259 SCVPPAKLQGLSPWLTCLIEDGLMSLPEVYCKLECDAPPIILANLLPHCLQDNHDVGTI 1318
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 1313 QCRHPAQLKGNNSLITCMEDGLMSFPEALCELMCLAPPVPVNPADLQTRACRENGKRVGSF 1372

QY 1319 CKYECKPGYVAESAEGVANKLLKIQLLEGIMEQSGCIPVWCEPFPVFEQMYECTNG 1378
   ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 1373 CKYKCKPGYHVPSSR-KSKRAFKTQCTQDGSWQEGACVPVTCDBPPKFKHGLYQCTNG 1431

QY 1379 FSLDSQCVLNC-----NQEREKLPILCTKEGLWTQEFKLCENLQGECPRPPELNS-V 1432
   ||:| : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 1432 FQFNSECRICKEDSDASQGLGSNVIHCRKQDGTWNGSFHYQEMOGQC-SVPNELNSNLKL 1490

QY 1433 KCEQYIGIYAVCSPLCYIPPSDPVMLPENITADTLEHMEBPVKQVQSVCTGRQWHPDV 1492
   : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 1491 QCPDGYAIGSECATISCLDNHSESIILPMNVTVRDIPEHMLNPTRVERVCTAGLKYHPHA 1550

QY 1493 LVHCIOSECFQADGWCDTINNRAYCHYDGGCCSSTLSSKKVIPPAACDLD-ECTCRD 1551
   ||:| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db 1551 LIHCVKGCEPFGMDNYCDAINNRAFCNYDGGDCCTSTYKTKVTPFPMSCDLQGCACRD 1610

QY 1552 PKAEN 1557
   ||:| : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1611 PQAQEH 1616
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RESULT 12
US-10-991-321-32
; Sequence 32, Application US/10991321
; Publication No. US20050112675A1
; GENERAL INFORMATION:
; APPLICANT: Kochen, Jarema Peter
; APPLICANT: Rosinski, James Andrew
; TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
; FILE REFERENCE: 21742 US1
; CURRENT APPLICATION NUMBER: US/10/991,321
; CURRENT FILING DATE: 2004-11-17
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 1627
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-991-321-32

Query Match      45.5%; Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY      16 REAETENSQVGLP--ILYFSGRRRL-LLRPEVLAEIPREAFVTEAWKPEGGONNPAIL 72
      ||| : ||||| : : : : : : : : : : : : : : : : : : : : : : : :
Db      80 REARGATEBSPSPSRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRAEGGQSPAVI 137

QY      73 AGVFDNCSHTVSDKGWALGIRSGKDKGRDARFFPSLCTDRVKKATILISHSRYPGTWT 132
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      138 TGLYDKCSYISRDGRGWVNGIHTISDQDNKDPRYFFSLKTRARQVTTINAHRSYLPQWV 197

QY      133 HVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMACSRLLLGDSSEDDGHYFRHGLT 192
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      198 YLAATYDQGFMKLYNGAQVATSGEQVGIFSPLTQCKVYMLGG--SALNNHYRGYIEH 255

QY      193 LVFWSTALPQSHFQHSQHSGBEEATDLVLTASFEPVNTBWVPRDEKYPRLV--LOG 250
      | | | | | : : : : : : : : : : : : : : : : : : : : : : : :
Db      256 FSLMKVARTQREILSDMETHGHTALPQLLQENWMDNVKHAMSPMKDGSSPKVEFSNAHG 315

QY      251 FEPEPEILSPLOPPLCGQIVCDNVELISQYNGWPLRGEKIRYQVNICDDEGLPIVS 310
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      316 FLDD---TSLRPPLCGQTLCDNTEVIASYNQLSSFQRPQVRYRVNLYEDDHKNPTVT 371

QY      311 EEQIRLQHEALNEAFSRVNISSQLSVHQVHNSTLRHRVVLVNCSEPSKIGNDHCPECEHP 370
      ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db      372 REQVDFQHQLABAFKQYNISSWELDVLEVSNSSLRRLLIANCDISKIGDENCDEPCHNT 431

QY      371 LTGYDGGDCR-LQGRCYSMNRDGLCHVECNMNLNDFDDGCCDQVADVRYKTCFDPDSP 429
      ||| : ||| : : : : : : : : : : : : : : : : : : : : : : : :
Db      432 LTGHDGDCRHLRHPAFVKQKQNGVCDMDCNYERFNFDBGCCDPEITNVYTQCFDPDSP 491

QY      430 KRAYMSVKELKEALQLNSTHPLNIYFASSVREDLAGAATWMDKDAVTHLGGIVLSPAY 489
      ||| : ||| : : : : : : : : : : : : : : : : : : : : : : : :
Db      492 HRAYLDVNLKNILKLDGSTHNLNIFAKSSEBELAGVATWMDKEALMHLGGIVLNDSEY 551

QY      490 GMPGHTDTMIHEGVHVLGLYHFKGVSERESCNDPCKEIVPSMETGDLCADTAFTPYSEL 549
      ||||| : ||||| : : : : : : : : : : : : : : : : : : : : : : :
Db      552 GMPGHTHTMIHEIGSLGLYHFRGISEIQSCSDPCMETESFETGDLCDNTNPAPKHS 611

QY      550 CREPEPTSDTCGTRFPGAPFTNMYSTDDNCTDNFTPNQVARMHCYLDLVYQQWTEGRK 609
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      612 CGDPGPGNDTCGFHSFNTPTVNNFMSYADDCTDSFTPNQVARMHCYLDLVYQQWQPSRK 671

QY      610 PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGLCGACTEDGTFRQYVHTASSRV 669
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      672 PAPVALAPQVLGHTTDSVLEMFPIIDGHFFEREIGSACHLCLEGRILVQYASNASSPMP 731

QY      670 CDSSGYWTPEBAVGPPDVDPCEBPSLOAMSPEVHLYHNNTVPCP--TEGCSLELFGHPV 728
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      732 CSPSGHWSPREAEGHPDVEQPCCKSSVRTWSPNSAVNPHTVPACPEBPQCYLELEFLYPL 791

QY      729 QADTLTLWVT--SFFMESSQVLPDTEILLENKESVHLGPLDTFCDIPLTIKL-HVDGRYS 785
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      792 VPESLTIWTFVSTDWDSGAVNDIKLLAVSGKNISLGPQNVFCDPVLTIRLMDVGEEVY 851

QY      786 GVKVYTFDERIEIDAALLTSOPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSHRKFTD 845
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      852 GIQIYTLDEHLEIDAAMLSTADTPLCLQCKPLKYKVRDPLQMDVASIL-HLNRKPYD 910

QY      846 VEVTPGQMYQYVLAAGSELGEASPRLNHIGAPYCGDGKYSERLGECCDDGDLVSGDG 905
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      911 MDLNLGSVYQYVWITISGTESESPSAVTYIHGRGYCGDGILOKDQGEQCDMDMKNKINGD 970

QY      906 CSKVCLEBEGFNCVGEPSLCYMYEGDGICEPFERKTSIVDCGITYTPKGYLDQWATRAYSS 965
      ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||
Db      971 CSLFCRQEVSFNCIDEPSCRCTYHFDGDGVCEEFEQKTSIKDCGVYTPQGFLLDQMASNAYS 1030

QY      966 HEDKKKCPVSLVTGEP-HSLICTSYHPDLPNHRPLTGWPCVASENETQDDRSBQPEGSL 1024

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Db	1031	HQD-QQCPGWIITIGQPAASQVCRTKVIDLSEGISQHWMPCTISYPYSQ-----	1078
QY	1025	KKEDEWMLKVCENRPEEARAIFILTTDGLVGEHQOFTVTLYLTDVRGNSHSLGTGELS	1084
Db	1079	LAQTFWLRAYSQPMVAALVIHVLTDGTYGDDQKQETISVQLDPTDQSHDLGLHVLIS	1138
QY	1085	QOHNPLIINVTHHONVLFHHTTSVTLNFISSPRVGISAVALRTSSRIGLSAPNSCISEDEG	1144
Db	1139	CRNNPLIIPVTHDLSPFYHSQAVRVSFSSPLVAISGVALRSFDNFDPYTLSSC-QRGET	1197
QY	1145	QNHQGSCTHRPCGKQDSCPSLLLDHADVYNTCSI---GPGLMKCAITCORGALQASS	1200
Db	1198	YSPAEGSCVHFACETKD-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR	1252
QY	1201	GQYIRPMQ--KEILLTSSGHWMDQNVSCLPVDCGVPDPSLVNRYANFSCSEGTFLKRCSI	1258
Db	1253	DDELIKSQTGPSVTVCTEGKMNKQVACEBPVDCSIPDHQVYAASFSCPEGTTFGSQCSF	1312
QY	1259	SCVPPAKLQGLSPWLTCLJEDGLWSLPEVYCKLECDAPRIILNANILLPHCLQDNHDVGTI	1318
Db	1313	QCRHPAQLKGNNSLLTOMEDGLMSFPEALCELMCLAPRPVPNADLQTAQRCHENKHKVSF	1372
QY	1319	CKYECKPGYVVAESAEGKVNRKLKIQCLEGGIWEQGSQCI PVVCEPPPVYEGMYECTNG	1378
Db	1373	CKYCKCPGYHVPGSSR-KSKGRAFKTQCTDQGSWQEGACVPTCDPPPKFHGLYQCTNG	1431
QY	1379	PSLDSQCVTLNC-----NQREKLPILCTYEGIMLTQEFKLCENLQGECPPPSELNS-VEX	1432
Db	1432	QFQNSECRICKEDSDASQGLGSNVIHCRKDGTMNGSFHVQEMQGC-SVPENELNSNLKL	1490
QY	1433	KCEQGYGIGAVCSPLCVIPSPDPVMLPENITADTLEHMBPVKVQSVICTGRRQWHPDPV	1492
Db	1491	QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDIPIHMLNPTRVERVYCTAGLKWYPHPA	1550
QY	1493	LVHCIQSCBPFQADGWCMTINNRAYCHYDGDCCSSTLSSKKVIPPAADCDLD-ECTCRD	1551
Db	1551	LHCVKGCBEFMDNYCDALNNRAFCNVDGDCCTSTVTKTKVTPPFMSCDLQSDCACRD	1610
QY	1552	PKAEN 1557	
Db	1611	POAQEH 1616	

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RESULT 13
US-10-887-229A-8
; Sequence 8, Application US/10887229A
; Publication No. US20050148509A1
; GENERAL INFORMATION:
; APPLICANT: DAKE, BRIAN
; APPLICANT: BOOTH, BARBARA
; APPLICANT: BOES, MARY
; APPLICANT: BAR, ROBERT S.
; TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY
; FILE REFERENCE: IOWA:049US
; CURRENT APPLICATION NUMBER: US/10/887,229A
; CURRENT FILING DATE: 2004-07-08
; PRIOR APPLICATION NUMBER: 60/538,000
; PRIOR FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: 60/485,846
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-887-229A-8

Query Match      45.5%; Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

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Qy	16	REAFTNSQVGLP--ILYPSGRRERL-LLRPEVLAIEIPRAFTVEAWKPEGGONPAII	72
Db	80	REARGATEBPSPPSRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRAGGQSRSPAVI	137
Qy	73	AGVFNDCSHTVSDKGWALGIRSGKDKGRDARFFPSLCTDRVKKATILISHSRYPQGTWT	132
Db	138	TGLYDKCSYISRDRGWVVGHTHISDQDNKDPRYFFSLKTRARQVTTINAHRSYLPQWV	197
Qy	133	HVAATYDGRHMAlyVDGTQVASSLDQSGPLNSPFMA5CSLLIGDSSBDGHYFRHGLGT	192
Db	198	YLAATYDQFMKLYNQAQVATSGEQVCGI5PSPLTQCKVYMLGG--SALNHNRYGTYIEH	255
Qy	193	LVFWSTALPOSHFOHSSQHS5GEEATDVLVLTA5FBPVNT5WVFRDEKYPRLEV--LQG	250
Db	256	PSLMKVARTQREILSDMETHGAHTALPQLLQENMDNVKHA5PMKD5SPKVEFSNAG	315
Qy	251	FEPEPEILSPLOPPLCGQTCVNDVELISQYNGWYPLRGEKYIRQVNNICDEGLNP1VS	310
Db	316	FLLD----TSL5PPLCGQLCDNTEVIASYNQL55FRQPKVRYRVNLYEDDHKNPTYT	371
Qy	311	EEQIRLQHEALNEAF5RKNY5SQLSVHQVHN5TLRHRVVLNCEPSKIGNDHCDPECEHP	370
Db	372	REQVDFOHQLA5AFKQYNI5MELDVLE5NSSLRRLILANCDISKIGDENCDEPCNHT	431
Qy	371	LTYDGGDCR-LQGRCT5NNRRDGLCHVECNMMLNDFDGDCCDPQVADVRCCTCFDPSP	429
Db	432	LTHDGDGDCRHLRHPAFVKQKHNGVCDMDCN5ERFNFDG5CCDPEITNVTQTCFDPSP	491
Qy	430	KRAYMSVKELKEALQLN5THFLN1YFAS5VR5EDLAGA5TW5PDKDAVTHLGI5VSPAY	489
Db	492	HRA5LDVNELKNILKLDG5THLNI5FAK55E5ELAGVAT5P5WDK5EALMHLGI5VLP5FY	551
Qy	490	GMPGHTDTMIHEVGHVGLYHVFKGV5ER55CNDPCK5ETV5SM5ETGDL5ADTAPTRK5EL	549
Db	552	GMPGHTHTMIHEIGH5LGLYHVFRG5ISEI5Q55CD5PCME5ET5P5ETGDL5CNDTPAPRK5S	611
Qy	550	CR5PEPTSDTCG5TRFP5GAPFTNY5SYTDNCTDNFT5NOVARMHCYLDLVYQQWTSRK	609
Db	612	CGDP5PGNDTCGFH55FNT5PNNFM5YADDCTD55FT5PA5RMHCYLDLVYQQW5PSRK	671
Qy	610	PTPIPIPMVIGQTNKSLTIH5WLPRISGVVYDRASGSL5GACT5EDG5TRQYVHTAS5RY	669
Db	672	PAPVALAPQVLTGHTD5SVL5EMFPPI5DGHFFEREL5GACHL5LEGRILVQYASNASS5MP	731
Qy	670	CDSSGYWTP5E5AVGPP5VDQPC5PSLQAW5PEVHL5YHNM5TVPCP--TEG55LEL5PQHV	728
Db	732	CSP5GHW5P5RA5EGHP5VEQPC55SVRTW5SPNSAVN5PHTVP5PAC5PEQ5CYL5ELE5LYPL	791
Qy	729	QADTLTL5WVT--55FM555QVLF5TEILLENK55VHL5GLD5TFC5DIP5TIKL-HVD5KVS	785
Db	792	V5ESLTIW5TFV5T5D5W55SGAVNDIKLAV55GKNISL5GQNV5CDVPLTIRLMDV5G5RY	851
Qy	786	GKVY5TFDERIR5IDAALL5TSQPH5PL5CSGCR5PVRYQVLRD5P5FASGL5PVV5TH5SHR5KETD	845
Db	852	GIQIYTLDEHL5EIDA5ML5T5ADT5PLCLQCKPLKYK5VRD5P5LQMDVASIL-HLNRK5EYD	910
Qy	846	VEVTPGQMYQVLA5AG5EL5EAS5PPLN5IH5GAPYCGD5KV5ERL5G5E5CDD5GDLV5SGD5	905
Db	911	MDLNL5G5VQYQW5VIT5ISG5TE5E5PS5PAV5TYIH5GRGYCG5GILIQKDQ5G5CDD5MKN5G5DG	970
Qy	906	CSKV5CEL5EGFNCV5G5PSL5CYM5EGD5ICE5P5ERK5T5IVD5G5IYTPK5YLDQWAT5R5YS	965
Db	971	CSL5FCRQ5V55FNC5IDE5P5RCY5FH5D5G5VCE5E5EQ5T5IK5D5GV5T5PQ5GLDQWAS5N5SVS	1030
Qy	966	HEDKK5CPV5SLV5T5G5P--H5SLI5CTS5YH5DL5PNHR5PLT5GW5P5CVAS5EN5EQD5DR5EQ5P5E5SL	1024
Db	1031	HQD-QQCP5GW5IIGQ5PASQVCR5TKVIDL5SEGISQ5HAW5PCTISY5P5YSQ-----	1078
Qy	1025	KK5ED5VWLKVC5FNR5P5G5ARA5IFI5L5TTD5GLV5P5G5HQ5P5TYL5L5TDV5R5G5N5H5SLG5TYG5LS	1084
Db	1079	LAQ5TF5WL5RAY55SQ5P5VA5AVI5VHL5VT5D5G5TY5Y5GDQ5Q5ETISVQ5LD5TKDQ5SHD5L5GLH5V5LS	1138
Qy	1085	CQHN5PLI5INV5THQ5N5L5FHT5T5SVL5LNP55SPRVG5ISA5VAL5RT5SRIG5L5APS5NCIS5B5DEG	1144

Db	1139	CRNNPLIFVHDL	SQPFYHSAQVAVSFSSPLVAISGVALRSFDNFDPVTLSSC-QRGET	1197				
QY	1145	QNHQGSCTHRPCGKQDS	CSPLLDHADVNCTSI---GPGIMKCAITCQRGFALQASS	1200				
Db	1198	YSPAQSCVHPACEKTD	-CPBLAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR	1252				
QY	1201	GQYIRPMQ--KEILLTSS	SGHNDQNVSCLPVDCGVPDPSLVNYANFSCSEGTFLKRC	1258				
Db	1253	DDELRKSQTGPSVT	VTCTEGKWNKQVACEPVDCSI	PDHQQVYAASFSCPEGTFGSQCSF	1312			
QY	1259	SCVPRAKLQGLSPWL	TLBDSLPLBVYCKLECDAPRIILANALLPHCLQDNHDVGTI	1318				
Db	1313	QCRHPAQLKGNNSLL	TCMEDGLMSFPEALCELMCLAPRPVPNADLQTARCR	ENKHVGSF	1372			
QY	1319	CKYECKRGYVAESAEG	KVANKLLKIQCLEGGINEQSCIPVCEP	RPVPFBGMYECTNG	1378			
Db	1373	CKYKCKRGYHVP	SSR-KSKKRAFKTQCTQDGS	WQEGACVPVTCDDPPKXHG	LYQCTNG	1431		
QY	1379	FSLDSQCVLNC----	NQREKLPILCTKEGLTWQEFKLCENLOGEC	PPPELSNS-VEY	1432			
Db	1432	FQFNSECRKICEDSD	ASQGLGSNVIHCRKDG	TWNGSFHVQEMQGQC-SVPELINS	NLKL	1490		
QY	1433	KCEQGYGIGAVCS	PLCVIPSPDPMVL	PENITADTLEHMEPVKQSI	VTCTGRQWHPDPV	1492		
Db	1491	QCPDGYAIGSECATS	CLDNHSESIILPMNV	TVRDIPLHMLNPT	RVERVVC	TAGLKWYPHPA	1550	
QY	1493	LVHCTGSCBEPQAD	GWCDTINNRAYCHYD	GGDCSS	STLSSKVI	IPFADCLD-ECTCRD	1551	
Db	1551	LHICVAKCEP	FMGNDNYCDALIN	RAFCNYD	GGDCCTISTVKT	KVTPFPMSCD	LOGDCACRD	1610
QY	1552	PKAEBN	1557					
Db	1611	POAQEH	1616					

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RESULT 14
US-10-783-311-2
; Sequence 2, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; CURRENT FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2

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Query Match	45.5%;	Score 3914.5;	DB 5;	Length 1547;
Best Local Similarity	46.1%;	Pred. No. 1.2e-296;		
Matches 714;	Conservative 295;	Mismatches 490;	Indels 51;	Gaps 24;

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QY      30 LYFSGRRERL-LLRPEVTLAIPREAFTEAMVKREGGQNPAIIAGVFDNCSTVSDKGW 88
       ||||| : | : : : : || : : : : || : : : : ||
Db      16 LYSFGERGEQLRVLRADL--ELPRDAFTLLQVWLRAEGGQRSPAVITGLDYDKCSYSISRDGW 73
QY      89 ALGIRSGKDGKRDRARFFPFLCTDRVKKATILISHSRYPGTWTHVAATYDGRHMALYVD 148
       : | : : : | : ||||| || : : : : | | | | : : ||||| : | ||| :
Db      74 VVGIHITISDDQDNKDPRYFFSLKTDRARQVTINAHRSYLPQGWMVYLAAITYDGFMKLYVN 133
QY      149 GTQVASSLDQSGLPLNSPFMASCRSULLGGDSSEDEGHYFRGHLGTLVFWSOTALPOSHFOHS 208
       | ||| : : | : : | : : || : : || : : || : : || : : || : : || : : ||
Db      134 GAQVATSGEQVGVGIFFSPLTQCKVLMLG--SALNHNYRGYIEHFSLMVKVARTOREILSD 191
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QY 209 SQHSSGEEATDVLVTASFEPVNTWVPFRDEKYRLEV--LQGFEPPEILSPLOPPLC 266
Db 192 METHGAHTALPOLLQENWMDNVKHAMSPMKDGSSPKVEFSNAHGFLD----TSLEPPLC 247
QY 267 GQTVCDNVELISQYNGYWPBRLGKEKVIROYVNICDDEGLNPIVSEEQIRLOHEALNEAFS 326
Db 248 GQTLCDNTEVIASYNQJSSFRQPKVVRVYRVNVLVEDDHKNPTVTRQOVDFQHQLAEAFK 307
QY 327 RYNISWQLSVHQVNSTLRHRVVLVNCESPKIGNDHCDECEHPLTGYDGDGR-LQGRC 385
Db 308 QYNISWELDLVENSNSLRRLILANCDISKIGBNCDECNHTLTGHGDGCRHLRHPA 367
QY 386 YSMNRDGLCHVECNMNLNDFDGDCCDPQVADVRKTCFDPDSPKRAYMSYKELKEALQL 445
Db 368 FVKQKHNGVCDMDCNYERFNFDEGECCEPEITNTVQTCEFDPSPHRAYLDVNEKNILKL 427
QY 446 NSTHFLNIFYASSVREDLAGATWPMWDXAVTHLGGIVLSPAYYGMFGHTDTMLHEVGHV 505
Db 428 DGSHTLNIFFAKSSSEELAGVATWPMWKEALMHLGGIVLNPSPFGMPGHTHTMHEIGHS 487
QY 506 LGLYHVFKGVSERESCNDPCKETVPSMETGDLCAADTAPTPKSBLCREPEPTSDTCGTRF 565
Db 488 LGLYHVFGRIGSEIGSCSDPCMETEPEFTGDLCDNTNPAKHKSCGDPGENDTCGFHSF 547
QY 566 PGAPFTNMSYTDNCTDNFTPNQVARMHCYLDLVYQOWTESRKPTPIPIPMWIGQTNK 625
Db 548 FNTPYNNFMSYADDCTDSFTPNQVARMHCYLDLVYQOWPSRKPAVALAPQVLGHTTD 607
QY 626 SLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSRRVCDSSGYWTPEEAVGPP 685
Db 608 SVTLBWPFPIDGHFERELGSAACHLCEGRILVQYASNASSPMPSPSGHWSPREABGHP 667
QY 686 DVDQCEPSLQAMSPEVHLYHMMNTVPCP-TEGCSLELLFQHPVQADTLTMTWT--SFFM 742
Db 668 DVEQPCSSSVRTWSPNSAVNPHTVPRACBEPQCYLELEFLYPLVRESLTIWTFVSTDW 727
QY 743 ESSQVLPDTEILLENKESVHLGPLDTPCDIPLTIKL-HVDGKVSQVNVTPDERIEIDAA 801
Db 728 DSSGAVNDIKLAVSGKNIISLGPNVPCDVPPLTIRLMDVGESEVYGIQIYTLDEHLEIDAA 787
QY 802 LLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVVTHSHRKFTDVEVTPGQMYQYVLAE 861
Db 788 MLTSTADTPLCLQCKPLKYKVRDPLQMDVASIL-HLNKKFVMDMLNLSYVQYVWVITI 846
QY 862 AGGELGEASPLNLHIGAPYCGDGKVSERLGEBCDGDVLVSGDCSKVCLEBGFNCVGE 921
Db 847 SGTSESESPAVTYIHGRGYCGDGIIOKDQGEQCDMNMKINGDGCSLFCRQEVSNCTIDE 906
QY 922 PSLCYMEGDGICEPERKTSIVDCGIYTPKGYLDQWATRAYSSHEDKKCPVSLVTGEP 981
Db 907 PSRCYFHDGDVCEEFQKTSIKDCGVYTPQGFLDQWASNASVSHQD-QQCPGAVIIIGQP 965
QY 982 -HSLICTSYHNPDLNHRPLTGMFPCVASENETQDRSEQEGSLKEDVWLKVCFNRP 1040
Db 966 AASQVCRKVIDLSEGISQHAWYPTTISYPYSQ-----LAQTFMLRAYFSQPM 1014
QY 1041 EARAIFIFLTDLGVPGEHQOPTVTLVLTVDKGSNHSIGTYGLSCQHNPLINVTTHQNV 1100
Db 1015 VAAAVIVHLVTDGTYGQKQETISVQLDTRQSHDLGLHVLSCRNNPLIIPVVDLSQ 1074
QY 1101 LFHHTTSVLNLFSSPRVIGISAVALRTSSRIGLSAPSNCTISEDEGONHOGQSCIHRPCGKQ 1160
Db 1075 PFYHSQAVRVSFSSPLVAISGVALRSFDFPVLSSC-QRGETYSPAEGSCVHFACEKT 1133
QY 1161 DSCPSLLDHDADVNCSTI---GGLMKCAITCQRFALQASSGQYIRPMQ--KEILLT 1214
Db 1134 D-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRDELKISQGTGPSVTVT 1188
QY 1215 CSSGHWQNVSCLPVDCGVDPDPSLVNANFSSCSSEGTFLKRCISICVPPAKLOGLSFWLT 1274
Db 1189 CTBGMNKQVACEPVDCTIPDHQYVAASFSCPEGTTFGSQCSFQCRHPAQLKGNNSLLT 1248
QY 1275 CLBDGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHADVGTICKYECKPGYVAESAB 1334

Db 1249 CMEDGLWSFEPBALCELMCLAPPVPVNDLQOTARCENKHKVGSFCYKCKPGYHVPGSSR 1308
QY 1335 GKVRNKLKIQCLEGGIWEQSCIPVVCBPPVPFEGMYECTNGFSLSQCVLNC----- 1389
Db 1309 -KSKRAFAKQCTQDGSWQEGACVPVTCDBPPPKFHLGYQCTNGFQFNSCEKIKCEDSDA 1367
QY 1390 NQERBKLPILCTKEGLMTQEFKLCENTLQGECPRPSPBLNS-VEYKCEQGYGIGAVCSPLC 1448
Db 1368 SQGLGSNVHCRKRDGTWNGSFHVQEMQGC-SVPNELNSNLKLOCPDGYAIGSECATSC 1426
QY 1449 VIPSPDVMLPENITADTLEHMMPEVKYQSIVCTGRQWHPDPVLVHGIQSCBEPQADGW 1508
Db 1427 LDHNSESIIPMNVTVRDIPHMLNPTVERVCTAGLKMYPHPALIHCVKGCCEPFMGDNY 1486
QY 1509 CDTINRAYCHYDGDCCSSSTLSKKVLPFAADCDLD-ECTCRDPRAEEN 1557
Db 1487 CDAINNRAFQNYDGGDCTSTVTKTKVTPFPMSCDLQGDCACRDPOAQBH 1536

RESULT 15
US-10-450-763-41497
; Sequence 41497, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450, 763
; PRIOR APPLICATION NUMBER: 2003-06-11
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 41497
; LENGTH: 1752
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (632)..(643)
; OTHER INFORMATION: Neutral zinc metalloproteinases zinc-binding region proteins.
; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00142, p-value=
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1288)..(1544)
; OTHER INFORMATION: Sush1 domain (SCR repeat) domain identified by Pfam,
; OTHER INFORMATION: accession name sush1, E-value=2.6e-18, Pfam score of 74.3
US-10-450-763-41497

Query Match 45.4%; Score 3909.5; DB 5; Length 1752;
Best Local Similarity 45.8%; Pred. No. 3.7e-296;
Matches 717; Conservative 294; Mismatches 502; Indels 53; Gaps 25;
QY 16 REAETFNSQVGLP--ILYFSGRRLT-LRPEVLAEIPREAFTVEAWVREGQNNPAII 72
Db 153 REARGATEEPSPSRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRABEGQSPAVI 210
QY 73 AGVFDCNSHTVSDKGMALGIRSGDKDKRDARFFSLCTDRVKKATILISHSRYPGTWT 132
Db 211 TGLYDKCSYISDRGWVVGIIHTISDQNDDBRYFFSLKTRARQVTTINAHRSYLLPGQWV 270
QY 133 HVAATYDGRNALVYDGTQVAAASLDQSGPLNSPFMACSRSLILGDSSEDEGHYFRGLGT 192
Db 271 YLAATYDQGFMLKYVNGAQVATSGEQVGIFSPLTQCKVLMLG--SALNHNRYRGYIEH 328
QY 193 LVFWSTALPQSHFQHSQHSQSSGEEATDVLVTASFEPVNTWVPFRDEKYRLEV--LOG 250

Db 329 FSLMKVARTQREILSDMETHGHTALPQLLLQENWNVKHAWSPMKDGSSPKVEFSNAHG 388
QY 251 FEPREBELSPLOPPLCGQTVCDNVELLISQYNGYWPBREGKYIRQOVNICDEGLNPYS 310
Db 389 FLID- - - - -TSLRPPLCGQTLCDNTEVIASYNQLSSFRQPKVRRVNLYEDDHKNPVT 444
QY 311 EEQIRLOHEALNEAFSRYNISWQSVHQVHNSTLRHRVVLVNGEPSKIGNDHCDPECHP 370
Db 445 REQVDFQHQLAEAFKQYNISWELDVLEVSNSLRRLILANCDISKIGDENCDEPNHT 504
QY 371 LTGYDGDGCR-LQGRCYSWNRDGLCHVECNMMLNDFDDGCCDPQVADVKTCPDPSP 429
Db 505 LTGHDDGDCRHLRHPAFVKQKHQVCDMDCNYSRFPNFDGCECCDPEITNVTQTCFDPSP 564
QY 430 KRAYSVKELKEALQLNSTHPLNTYFASSVRBDLAGATWPDKDAVTHLGGIVLSPAY 489
Db 565 HRAVLDVNEKNILKLDGSTHNLIFAKSSEBELAGVATWPDKEALMHLGGIVLNPSPY 624
QY 490 GMPGHTDTMIHEGVHVLGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPXSEL 549
Db 625 GMPGHTHTMIHEIGHSLGLYHVFGRGISEIQSCSDPCMETERPSFETGDLCDNTNPAFPHKS 684
QY 550 CREPEPTSDTCGTRFPGAFPTNMSYTDNCTDNFTPNQVARMHCYLDLVYQOWTSRK 609
Db 685 CGDPGPGNDTCGFHSFNTPTNNFMSYADDDCTDSFTPNQVARMHCYLDLVYQOWPSRK 744
QY 610 PTPPIPPMVIQOTNKSLLTHMLPPISGVVYDRASGSLGACTEDGTFRQYVHTASRRV 669
Db 745 PAVPALAPQVLGHTTDSVTLEWPPPIDGHFPERELGSACHLLEGRILVQYASNASSPMP 804
QY 670 CDSGWTPEEAVGPPDVDQPCPSLQAWSPEVHLHYHNMNTVPCP-TEGCSLELFFQHPV 728
Db 805 CSPSGHWSPREABGHPDVEQPCSSVRTWSPNSAVNPHVTVPACBPBQCYLELEFLYPL 864
QY 729 QADTLTLMVT--SFFMESSQVLPDTEILLENKESVHLGPLDTPCDIPLTIKL-HVDGKVS 785
Db 865 VPESLTIWTFVSTDMWSSGAVNDIKLAVSGKNISLGPQNVFCDVPLTIRLMDVGEHY 924
QY 786 GVKVYTPDERIEIDALLTSQHSPLCSGCRPVRYQLRDPFPASGLPVVVTSHRKFTD 845
Db 925 GIQIYTLDEHLEIDAAMLTSTADTPLCLQCKPLKYKVVARDPPLQMDVASITL-HLMRKFPVD 983
QY 846 VEVTFGQMYQYVLAEAGGELGEASPPLNHIGAPYCGDGKVSERLGEBCDDGDLVSGDG 905
Db 984 MDLNLGSVYQYWVITISGTESESPSPAVTYIHGRGYCGDGIIQKQDGEQCDMKNKINGDG 1043
QY 906 CSKYCELEEGFNCVGEPSLCTMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWATRAYSS 965
Db 1044 CSLFCRQEVSFNCIDEPSCRFCYHFDGDVCBEFEQKTSIKDCGVYTPQGFLDQWASNASVS 1103
QY 966 HEDKKKCPVSLVTGER-HSLICTSYHBDLPNHRPLTGWFPVCVASENETODDRSEQREGSL 1024
Db 1104 HQD-QQCPGWIIGQPAASQYCRTKVIDLSEGISQHAMYPCTISYPYSQ----- 1151
QY 1025 KKEDEVWLKVCFNRPGEARAFIFLTITDGLVPGBHQPTVTLVLTDRGSNHSIGTYGLS 1084
Db 1152 LAQTFWLRAYFSQPMVAALAVIHLVTDGTYGDKQETISVQLDPTKQDSHDLGLHVL 1211
QY 1085 CQHNPLIINVTHQNVLFHHTTSVLLNFPVSGISAVALTSSRIGLSAPSNCISEDEG 1144
Db 1212 CRNNPLIIPVNHLSQPFYHSQAVRVSFSSPLVAISGVALRSFDNFDPTLLSSC-QRGET 1270
QY 1145 QNHQOSCIHRPCGKODSCPSLLLDHADVNCTSI-----GPGLMCAITCQGFALQASS 1200
Db 1271 YSPABQSCVHFACBKTD-CPELAVENAS-LNCSSSDRYHG---AQCTVSCRTGYVLQIR 1325
QY 1201 GQYIRPMQ--KEILLTSSGHWQNVSCLPVDGVPDPPLVNYANFSCSEGTFLKRCST 1258
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Db 1386 QCRHFAQLKGNNSLLTCMEDGLMSFPBALCELMCLAPPVNADLQOTARCENKHYGGSF 1445

QY 1319 CKYCKPGYYVAESAEGVNRNKLKIQLLEGIWEGSCIPVWCERPVPVFEWYECTNG 1378
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Job time : 95.5297 secs

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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:10:52 ; Search time 26.7393 Seconds
(without alignments)
5537.617 Million cell updates/sec

Title: US-09-983-025B-2
Perfect score: 9856
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	9836	99.8	1791	2	US-09-827-998-3 Sequence 3, Appli
2	9507	96.5	1770	2	US-09-827-998-10 Sequence 10, Appl
3	7363	74.7	1385	2	US-09-827-998-16 Sequence 16, Appl
4	1709	17.3	717	2	US-09-949-016-9436 Sequence 9436, Ap
5	336.5	3.4	3594	2	US-09-911-842A-4 Sequence 2, Appli
6	330.5	3.4	3571	2	US-09-911-842A-2 Sequence 5, Appli
7	292.5	3.0	2489	2	US-09-911-842A-5 Sequence 2, Appli
8	287.5	2.9	1847	6	5256642-10 Patent No. 5256642
9	287.5	2.9	1847	6	5472939-10 Patent No. 5472939
10	287.5	2.9	2039	6	5256642-2 Patent No. 5256642
11	287.5	2.9	2039	6	5472939-2 Patent No. 5472939
12	287	2.9	1947	2	US-09-612-314A-52 Sequence 52, Appl
13	287	2.9	1998	2	US-08-126-505A-13 Sequence 13, Appl
14	283	2.9	1466	6	5256642-6 Patent No. 5256642
15	283	2.9	1466	6	5472939-6 Patent No. 5472939
16	283	2.9	1537	6	5256642-5 Patent No. 5256642
17	283	2.9	1537	6	5472939-5 Patent No. 5472939
18	253.5	2.6	849	2	US-09-949-016-10271 Sequence 10271, A
19	249.5	2.5	1012	2	US-08-126-505A-15 Sequence 15, Appl
20	249	2.5	830	1	US-08-110-158-4 Sequence 4, Appli
21	249	2.5	1033	2	US-09-834-309-1 Sequence 1, Appli
22	243.5	2.5	830	4	PCT-US91-05059-2 Sequence 2, Appli
23	236	2.4	577	1	US-08-435-149-3 Sequence 3, Appli
24	236	2.4	611	2	US-09-475-460A-32 Sequence 32, Appl
25	236	2.4	611	2	US-09-748-061A-32 Sequence 32, Appl
26	235.5	2.4	574	6	5378464-3 Patent No. 5378464
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28	230.5	2.3	610	1	US-08-365-470-3 Sequence 3, Appli
29	230.5	2.3	610	2	US-09-209-668-19 Sequence 19, Appl
30	230.5	2.3	610	2	US-09-009-490A-89 Sequence 89, Appl
31	230.5	2.3	610	2	US-09-949-016-5942 Sequence 5942, Ap
32	230.5	2.3	610	2	US-09-982-262C-90 Sequence 90, Appl
33	230.5	2.3	610	6	5217870-2 Patent No. 5217870
34	230.5	2.3	647	2	US-09-949-016-10272 Sequence 10272, A
35	225	2.3	1394	2	US-09-949-016-5971 Sequence 5971, Ap
36	225	2.3	1394	6	5177197-30 Patent No. 5177197
37	218.5	2.2	1025	2	US-09-834-309-5 Sequence 5, Appli
38	218	2.2	376	2	US-09-844-311-2 Sequence 2, Appli
39	215	2.2	381	2	US-09-014-240-2 Sequence 2, Appli
40	215	2.2	381	2	US-09-844-311-4 Sequence 4, Appli
41	215	2.2	440	2	US-09-014-240-4 Sequence 2, Appli
42	211	2.1	1833	2	US-08-479-722B-2 Sequence 2, Appli
43	211	2.1	1833	2	US-09-592-685-2 Sequence 2, Appli
44	211	2.1	1833	4	PCT-US95-02251-18 Sequence 18, Appl
45	209.5	2.1	324	1	US-08-310-416A-14 Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3

Query Match 99.8%; Score 9836; DB 2; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1788; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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; Sequence 10, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMRP-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-827-998-10

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Best Local Similarity 99.9%; Pred. No. 0;
Matches 1732; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 3
US-09-827-998-16
; Sequence 16, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHOF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-827-998-16

Query Match 74.7%; Score 7363; DB 2; Length 1385;
Best Local Similarity 77.0%; Pred. No. 0;
Matches 1379; Conservative 0; Mismatches 6; Indels 406; Gaps 1;
QY 1 MMCLKILRISLAIAGWALCSANSELGWRKKSLLVEREHLNQLLEGERCWLGAQVRRPR 60
Db 1 MMCLKILRISLAIAGWALCSANSELGWRKKSLLVEREHLNQLLEGERCWLGAQVRRPR 60
QY 61 ASPQHLFGVYPSRAGNYLRPYVGEQEIHTGRSKPDTEGNVSLVPPDLTENPAGLRG 120
Db 61 ASPQHLFGVYPSRAGNYLRPYVGEQEIHTGRSKPDTEGNVSLVPPDLTENPAGLRG 120
QY 121 AVEEPAAPWVGDSPIGQSELGDDDAYLGNQRSKESLGEAGIQKSAMAATTTAIFTTL 180
Db 121 AVEEPAAPWVGDSPIGQSELGDDDAYLGNQRSKESLGEAGIQKSAMAATTTAIFTTL 180
QY 181 NEKPETQRRGWAKSRQRRQVWKRAEDGQDSGISSHFQMPKHSCLKHVKKSPPEESN 240
Db 181 NEKPETQRRGWAKSRQRRQVWKRAEDGQDSGISSHFQMPKHSCLKHVKKSPPEESN 240
QY 241 QNGEGSYREAETFNSQVGLPIIFYSGRRERLLLRPEVLAETPREAFTVEAWVKPEGQON 300
Db 241 QNGEGSYREAETFNSQVGLPIIFYSGRRERLLLRPEVLAETPREAFTVEAWVKPEGQON 300

QY 301 NPATAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFPSLCTDRVKATILISHSRQ 360
Db 301 NPATIA----- 306
QY 361 PGTWTHVAATYDGRHMALYVDGTQVASSLDQSGPLNSP FMASCRSLLLGGDSSEGHYFR 420
Db 307 ----- 306
QY 421 GHLGLTFWSTALPQSHFOHSSQHSGBEATDLVLTASFEPVNTIEWVFRDEKYPRLLEV 480
Db 307 ----- 306
QY 481 LQGFEPERETLSPLQRP LCGQTVCDNVELISQNGYWP LRGKVI RYQV VNICDDEGLNP 540
Db 307 ----- 306
QY 541 IVSEEQIRLOHEALNEAFSRYNISWQLSVHOVNSTLRHRVVLVNCBPSKIGNDHCDPEC 600
Db 307 ----- 306
QY 601 EHP LTGYDGD CRLQGRCYSWNRDGLCHVECNMMLNDFDDGCCDPQAVADV RKT CFPD 660
Db 307 ----- 306
QY 661 SPKRAYMSVKELKEALQLNSTHFLNIFYASSVREDLAGAATWPMWKA VTHLGGIVLSPA 720
Db 307 -----GGIVLSPA 314
QY 721 YYGMPGHTDTMHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPT PKS 780
Db 315 YYGMPGHTDTMHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPT PKS 374
QY 781 ELCREPEPTSDTCGFT RFPGARFTNYMSTIDNCTDNFTPNQVARNHCYLDLVYQWTES 840
Db 375 ELCREPEPTSDTCGFT RFPGARFTNYMSTIDNCTDNFTPNQVARNHCYLDLVYQWTES 434
QY 841 RKPTPIRPMVIGQTNKSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 900
Db 435 RKPTPIRPMVIGQTNKSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 494
QY 901 RVCDSGWTPEBEAVGPPVDQPCERPSLOAMSPEVHLYHMMNTVPCPTBGCSLELLFOHP 960
Db 495 RVCDSGWTPEBEAVGPPVDQPCERPSLOAMSPEVHLYHMMNTVPCPTBGCSLELLFOHP 554
QY 961 VQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIP LTIKLHVDGKVS G 1020
Db 555 VQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIP LTIKLHVDGKVS G 614
QY 1021 KVTYFDERIEIDALLTSQPHSPLCSGCCBPVRYQVLRDPPFASGLPVVVTSHRKFTDVE 1080
Db 615 KVTYFDERIEIDALLTSQPHSPLCSGCCBPVRYQVLRDPPFASGLPVVVTSHRKFTDVE 674
QY 1081 VTPGQMYQVLAELAGGELGEASPLLNHIGAPYCGDGKVSERLGBECDDGDLVSGDGCS 1140
Db 675 VTPGQMYQVLAELAGGELGEASPLLNHIGAPYCGDGKVSERLGBECDDGDLVSGDGCS 734
QY 1141 KVCLEEGFNCVGEPSL CYMEGDGICEPERKTSIVDCGIYTPKG YLDQWATRAYSSHE 1200
Db 735 KVCLEEGFNCVGEPSL CYMEGDGICEPERKTSIVDCGIYTPKG YLDQWATRAYSSHE 794
QY 1201 DKKKCPVSLVTGERPHSLICTSYHBDLPNHRPLTGMFPCVASENETODDRSEQPEGSLKKE 1260
Db 795 DKKKCPVSLVTGERPHSLIRTSYHBDLPNHRPLTGMFPCVASENETODDRSEQPEGSLKKE 854
QY 1261 DEVWLKVCNRPGEARAI FIFLTDTGLVGEHQOPTVTL YLTDVRGSNHS LGTYGLSCQH 1320
Db 855 DEVWLKVCNRPGEARAI FIFLTDTGLVGEHQOPTVTL YLTDVRGSNHS LGTYGLSCQH 914
QY 1321 NPLIINVTHQNVLFHHTTSVLNFSPRVGSISAVALRTSSRIGLSAPSNCISEDEGQNH 1380
Db 915 NPLIINVTHQNVLFHHTTSVLNFSPRVGSISAVALRTSSRIGLSAPSNCISEDEGQNH 974
QY 1381 QGQSCIHRPCGKQDSCPSLLLDHADVVNCTSIGFGLMKCAITCQRFALQASSGQYIRPM 1440

Db 975 QGQSCIHRPCGKQDSCPSLLLDHADVVNCTSIGFGLMKCAITCQRFALQASSGQYIRLM 1034
QY 1441 QKEILLTCSSGHWQNVSCLPVDCGVDPDPSLVNYANFSCSEGT KFLKRCSISCVPAKLO 1500
Db 1035 QKEILLTCSSGHWQNVSCLPVDCGVDPDPSLVNYANFSCSEGT KFLKRCSISCVPAKLO 1094
QY 1501 GLSPWLTCLEDGLWSLPEVYCKLECDAPRIILNANLLPHCLODNHDVGTICKYECKPGY 1560
Db 1095 GLSPWLTCLEDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKPGY 1154
QY 1561 YVAESAGKVNRNKLKIQCLEGGIWEQSGCIPVCEPPPVYEGMYECTNGFSLDSQCVL 1620
Db 1155 YVAESAGKVNRNKLKIQCLEGGIWEQSGCIPVCEPPPVYEGMYECTNGFSLDSQCVL 1214
QY 1621 NCNQBREKLPILCTKEGLWTOEFKLCENLQGECP RPPPSLENSVEYKCEQGYGIGAVCSPL 1680
Db 1215 NCNQBREKLPILCTKEGLWTOEFKLCENLQGECP RPPPSLENSVEYKCEQGYGIGAVCSPL 1274
QY 1681 CVIPSPDPVMLPENITADTLEHNMPEVKQSVICTGRQWHPDPVLVHCIO SCEPFQADG 1740
Db 1275 CVIPSPDPVMLPENITADTLEHNMPEVKQSVICTGRQWHPDPVLVHCIO SCEPFQADG 1334
QY 1741 WCDTINNRAYCHYDGDCCSSTLSSKKVIFPAADCDLDECTCRDPKAEBO 1791
Db 1335 WCDTINNRAYCHYDGDCCSSTLSSKKVIFPAADCDLDECTCRDPKAEBO 1385

RESULT 4
US-09-949-016-9436
; Sequence 9436, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9436
; LENGTH: 717
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-9436

Query Match 17.3%; Score 1709; DB 2; Length 717;
Best Local Similarity 43.0%; Pred. No. 5.5e-139;
Matches 310; Conservative 140; Mismatches 237; Indels 34; Gaps 14;
QY 1084 GQMYQVLAELAGGELGEASPLLNHIGAPYCGDGKVSERLGBECDDGDLVSGDGCSKVC 1143
Db 6 GSVYQYVWITISGTESESPSPAVTYIHSGYCGDGI IQDQGEQCDDMKINGDCSLFC 65
QY 1144 ELEEGFNCVGEPSL CYMEGDGICEPERKTSIVDCGIYTPKG YLDQWATRAYSSHEDKK 1203
Db 66 RQEVSNCIDDEPSRCYFHDGDGVEEFOQTSIKDCGVTPQGF LDQWASNASVSHOD-Q 124
QY 1204 KCPVSLVTGER-HSLICTSYHBDLPNHRPLTGMFPCVASENETODDRSEQPEGSLKKEDE 1262
Db 125 QCPGWYIIGPAAQVCRKTVLDSEGISQHA WYPC TISYPSQ-----LAQTT 173
QY 1263 VMLKVCNRPGEARAI FIFLTDTGLVGEHQOPTVTL YLTDVRGSNHS LGTYGLSCQHN 1322
Db 174 FWLRAYFSQPMVAAAVI VHLVTDGTYYG DQKQETISVQLD TDKDQSHDLGLHVLSCRNP 233

Qy 1323 LIINTHONVLFHHTTSVLINSSPRVGISAVALTSSRIGLSAPSNCSISEDEGQNHOG 1382
Db 234 LIIPVHDLISQPFYHSQAVRVSFSSPLVAISGVALRSFDNFDVTLSSC-ORGETYSPAE 292
Qy 1383 QSCIRPCGKQDSCPSILLDHADVNCSTSI---GPGIMKCAITCQRFALQASSGQYIR 1438
Db 293 QSCVHFACEKTD-CPELAVENA-YLNCSSSDRYHG---AQCTVSCRTGYVLQIRDEDELI 347
Qy 1439 PMQ--KEILLTSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTFLKRCISISVPP 1496
Db 348 KSQTGPSVTVCTEGKKNQVACEPVDCSIPIHHQYAAASFSCPEGTFGSQCSFQCRHP 407
Qy 1497 AKLQGLSPMLTCLDEGLMSLPVYCKLECDAPPIILNANLLPHCLQDNHDVGTICKYEC 1556
Db 408 AOLKGNNSLITCMEDGLMSFPEALCELMCLAPPVBNADLOARCRENKHVGSFCKYKC 467
Qy 1557 KPGYVAESAEGKVRNKLKIQCLEGGIWEQSCI PVVCEPPPVFEQMYECTNGFSLDS 1616
Db 468 KPGYHVPSSR-KSKRAFKTQCTQDGSWQEGACVPVTCPPPKFHGLYQCTNGFQFNS 526
Qy 1617 QCVLNC-----NOREKLPILCTKEGLWTQEFKLCENLQGECPRPSELS-VEYKCEQG 1670
Db 527 ECRICKCEDSDASQGLGSNVITHCRKDGTMNGSFHVQEMQGOC-SVPNELSNSNLKQCCPDG 585
Qy 1671 YGIGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSI VCTGRQWHPDPLVHCI 1730
Db 586 YAIQSECATSCLDHNSESIILPMNVTRDIPHWLNPTREVRVCTAGLKMYPHPALIHCV 645
Qy 1731 QSCFPQADGWCTTINRAYCHYDGGCCSSTLSSKKVIPFAADCULD-ECTCRDPKAE 1789
Db 646 KGCPEFMGDNYCDAINNRAFCNYDGGCCTSTVTKKVTPEPMSCDLQGCACRDPQAOE 705
Qy 1790 N 1790
Db 706 H 706

RESULT 5
US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 3594
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1757)..()
; OTHER INFORMATION: Xaa = any or unknown amino acid
US-09-911-842A-4

Query Match 3.4%; Score 336.5; DB 2; Length 3594;
Best local Similarity 19.2%; Pred. No. 1.5e-18;
Matches 343; Conservative 189; Mismatches 626; Indels 629; Gaps 99;
Qy 286 APTVEAMVKEGGONPAIIAGVF---DNCSHTVSDKGWALGIRSGDKGRDARFFFS 341
Db 1476 AVTCAFMWSSDIVINYGTPISYALEDDKDNTEFLITDYNQWLVY-NGEK- 1524
Qy 342 LCTDRVKKATILISHSRYPGTWTHVAATYD--GRHMALYVD-----GTQVASSLDQ 391
Db 1525 -----ITNCPVSNVDGIWHHIAITWTSIGAMRVYIDGELSDGCTGLSIGKAIPG 1573

Qy 392 SGPLNSPFWMACSRLLLGDDSSSEDGHYFR-----GHLGTLVFWSTAL-PQSHFQSSQH 444
Db 1574 GG-----ALVLGQEQDKKGEGFNAESFVSGISQNLNMDVYVSPQVKLLAS-- 1620
Qy 445 SSGEAEATDLVLASFEPVNTWVPFRDEKYPRLV-----LOGFEPEPEILS 492
Db 1621 SCPEELSRGNVLA-----WPDFLSGITGKVKVVDSSSMFCSDCPSLEGSVPHLRPAS 1671
Qy 493 PLQPPLCGQTV---CD-NVELIS--QY---NGYW--PLRGEKVIRQYVNICDDECLNP 540
Db 1672 GNRKP--GSKVSLFCDPGFQWGNPNVQYCLNQGWTOPLPHCERIR-----C---GLPP 1720
Qy 541 IV-----SEEQIRLQHEALNEAFSRY-----NISWQLSVQVHNSTLRHRVVL 583
Db 1721 ALENGFYSAEDFHA GSTVTVYQCTSGYYLLGDSRMFCXDNQSWN----- 1763
Qy 584 VNCEPSKIGNHCDPECEHPLTGYDGDCLQGRCYSWNRDGLCHVEGNMMLNDFDDG 643
Db 1764 -GISPSCLDVDEGAV-----GSDCSEHASCLNTN--GSYVCSGNPPYTG-DGKN 1808
Qy 644 CCDPQVADVARTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAA--- 700
Db 1809 CAEP-----VKCKAPENPENGRSS---GEIYTVGTA---VTFSCDEGHELVGVSTIT 1854
Qy 701 ---TWPMWK-----DAVTHLGGIVLSPAYGMPGHTDTMIHEVGHYGLYHVEKVS-- 749
Db 1855 CLETGEWDRLRPSCEAITS--CGVPPVPENGVDSAFITYGSKV-----VYRCDKGYTLSG 1907
Qy 750 -ERESCNDPKETVPMSMETGDLCADTAETPKSELCREPEPTSD---TCGFTFRPGAPFT 804
Db 1908 DEBSAC-----LASGS-WSHSSPYCGLVKCSQPEDINNGXYLSGLT----- 1948
Qy 805 NYMSYTDNCTDNFTPNQVARMHCYLDLVYQQWTESRKPTPIPIPMVIGQ--TNKSLTI 862
Db 1949 -YLSIASYSCENGYSLQGPSLLECTASGSWDRAPSPQVLVSCGEPIVDAVITGSNFTF 2007
Qy 863 HMLPPISGVYVDRASGSLCGACTEDGTFRQYVHTASSRRVCDSSGYWTPBE---AVG-- 916
Db 2008 -----GNTVAAYTCKEG-----YTLAGPDTIICQANGKMNSSNHQCLAVSCD 2048
Qy 917 -PPVDVQPCPSLQAWSPEVHLHMNMVTPCPTEGCSLELLFQHPVQADTLTLWTSFFM 975
Db 2049 EPPNVDDHA-----SPET-----AHRLEFGDT-----AFYYC 2073
Qy 976 ESSQVLPDTEILLENKESVHLGP-----LDTFCDIPLTIKLHYDGKVSQVKV----- 1022
Db 2074 ADGYSLADNSQLICNAQGNWVPFPAQAVPRCIAHFCEKPPSVSILBSVSKAKFAAGSV 2133
Qy 1023 -----YTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDP-FAAGLP----- 1066
Db 2134 VSFKMEGFVLTSAKIECLRGEMSPSLVQCIPIVR--CGEPPSIANGYPSGTNYSF 2190
Qy 1067 --VVVTHHRKFTDVEVTPGQMY--QYQLABAGGELGEASPLNHI--HGAPYCGDGK 1119
Db 2191 GAVVAYSCHKF-----YIKGEKSTCEATGQMSKPTPCHPVSCNBPKEVNGF 2240
Qy 1120 VSERLGE-----ECDDGLVSGD-----GCSK----- 1141
Db 2241 LEHTTGRTFESEARFQCNPGYKAAGSPVFCQANRHMWSDAPLCTPLNCCKPPIQNGF 2300
Qy 1142 -----VCELEEGFNCVGEPSLICYMEGDGICEPERKTSIVDCGIYTPKGY 1187
Db 2301 LKGESFEVGSKVQFVC--NEGVELVDNSWTCQKSGKWSKKP---SPKCVPTKCAEPPL 2355
Qy 1188 LDQWATRAYSSHEDKKCPVSLVT---GEPHSLICTSYHPDLNHRPLTWGFP-----C 1238
Db 2356 ENQLVLKELASE-----VGVMITISCKEGHALQGPSVLKCLPSGQ-WNGSFPICKMVL 2407
Qy 1239 VASENETQDDRSEQPEGSLKKEDEVWLKVCFNRPGEARAIPT---FLTTDGLVGEHQ 1293
Db 2408 -----PSPPL-----IPFVPASSGALHFGSTVLYLVDGFF--LRG 2442
Qy 1294 QPTVTLYLTDVRGSNHSLSGTGSLSCQHNPLIIN-VTHHQNVLFHHTTSVLNLFSSPRVGI 1352

Db 2443 SPTI-LCADSTWSSPLPECVPECPOPEEILNGIIHVQGLAYLSTLLYTCKPGFELVG- 2500
Qy 1353 SAVAL--RTSSRIG--LSAPSNCSISEGONHQ-----GQ----- 1383
Db 2501 NATTLGGENGOMLGCKPMCKPIECEPEKEILNGQSSVSFOYGQITTYFCDRGRLEGP 2560
Qy 1384 --SCIHPCGKODSCPSLLLDHADVUNCTSIGP--GLMKA-----ITCQRFAL 1429
Db 2561 SLTCLF--TGDMWMDP---PSCDAIHCSDPQPIENGFEVAGADRYGAMITYSCEPFGQV 2614
Qy 1430 QASSGQYIRPMQKEILLTSSGHW-DQNVSCLPVDGVPD----- 1468
Db 2615 LGHAMQ-----TCEESGWSSSPTCVPIDCGLPRPHIDFQCTKVRDQGHFDQE 2663
Qy 1469 -----PSLVNYANFSCSEGTKFL--KRCSISCVBPAKLQGLSPWLT 1507
Db 2664 DDMMEVRYLAHPQHLAATAKALENTKESPAHASHFLYGTWVSYSCEBGYELLGI-PVLI 2722
Qy 1508 CLBDGLMSLBEVYC-KLECDAPRIILNANULLPHCLQDNHDVGITCKYECKPGYYAESA 1566
Db 2723 CQBDGTNGTAPSCISISIECDLPVAPENGF--HFTQTT--MGSAAQYSCCKPGHILEGSH 2777
Qy 1567 EGKVRNKLKIQCLEGGIWEQGS--CIPVCEPBPVPVEG-----MYECTN 1610
Db 2778 -----LRL-CLQNKQW-SGTVPRCALISCSKPNPLMNGSIKDDYSYLGVLYYECDS 2827
Qy 1611 GFSLDSQCVLNCNQEREKLPILCTKEGLTQEFKLCENLQGECPBPPELN----- 1661
Db 2828 GYLNGSKKRTQENRD-----WDGHEPMC--IPVDCGSPVPTNGRVKGEEXT 2874
Qy 1662 ---SVEYKCEGY-----GIGAVCSPL-CVIRPSPDPMLENITADTL 1700
Db 2875 FQKEITYSCREGFILEGARSRICTLNGSNSGATPSCMPVRCPAPQVP-----NGVADGL 2929
Qy 1701 E-----HMMEPVKVQS---IVCTGRROWHPDPVLVHCIGSCEP 1735
Db 2930 DYGFKEVAFHCLGEGYVLQGAERLLTQSGNGTWDAE-----VPVCKP 2970

RESULT 6
US-09-911-842A-2
; Sequence 2, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 3571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-911-842A-2

Query Match 3.4%; Score 330.5; DB 2; Length 3571;
Best Local Similarity 19.9%; Pred. No. 4.8e-18;
Matches 353; Conservative 207; Mismatches 612; Indels 603; Gaps 106;
Qy 286 AFTVEAWVKPEGQONPAIIAGVFDNCST---VSD-KGVALGIRSGDKGRDARFFFS 341
Db 1450 ALTCTFWMKSSDDMNYGTPISYAVDNGSDNTLLITDYNQWLVYV-NGREK----- 1498
Qy 342 LCTDRVKKATILISHSRYPQGTWTHVAATYDGRH--MALYVDGTQVASSLDQSGPLNSPF 399
Db 1499 -----ITNCPSPVNDGRWHHIAITWTSANGIWKYIDKLSDGAGLSVGLPIP- 1546
Qy 400 MASCRSLLLGDSSESDGHYFR-----GHIGTLVFWSTAL-PQSHFQHSQHSSEEEAT 452

Db 1547 --GGGALVLQGEQDKKGEGFSPAESFVGISISQNLNMDYVLSQ---QVKSLATSCPEELS 1601
Qy 453 DLVLTAFFEPVNTWVPR-----DEK-----YPRL-----EVLQ----- 482
Db 1602 KGNVLA-----WPDFLSGIYGVKYKIDSKSIFCSDCPRLGSSVPHLRTASEDLKPGSK 1653
Qy 483 -----GF-----EPEP---EILSPLOPP-----CGQTV- 503
Db 1654 VNLFCDFPGFQLVGNPNVQCLNQGQWTFPLPHCERISCGVPPPLENGFHSADDFYAGSTVT 1713
Qy 504 --CDNVELLISQYNGYWPRLRGEKYIRYQVNI CDDEGLNPVSEEQIRLQHEALNEAFSRY 561
Db 1714 YQCN-----NGYYLLGDSRM-----FCTDNGSWNGVSPSCLDVDECAVGSDCSEH 1758
Qy 562 NISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE---HPLTGYDGDCLRLQ 615
Db 1759 -----ASCLNVDGS-----YICSCVPPYTGDKXNCAEPICKKAPGNPENGHSSGEIYTV 1807
Qy 616 G-----RCYSWNRDGLCHVEC-----NMMLNDFDGDCCDPQVADVTKTCFDPDSPKR 664
Db 1808 GAEVTFSCQEGYQLMGVTKITCLESGEWNHLLI-----PYCKAV--SCGKPAIPEN 1855
Qy 665 AYMSVAKELKALQLNSTHFLNTFYASSVREDLAGAATWPMXDAVTHLGGIYVLSPAYYGM 724
Db 1856 G-CIEELAFTFGSKVTYRCNKGYTLLAGDKESSCLANSSWSHSP--VCEPVKCS 1907
Qy 725 PGHTDTHIEVGHVLGLYHVEKVSERESCNDPCKETVPSMETGDLCADTA-----P 776
Db 1908 PENINN-----GKY-ILSGITLYLSTASYS-C-DTGYSLQGPSIIECTASGIWDRAP 1956
Qy 777 TPKSEICREPEPTSDTC---GFTRPFGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDL 832
Db 1957 ACHLVRCGEPPAIKDAVITGNFT-----FRNTVTVT---CKEGYTLAGLDTIECLAD- 2006
Qy 833 VYQQWTESRK--PTPIPIPMVIGQTNKSLTIHMLPISGVYYDRASGLCGACTEDGT 889
Db 2007 --GKMRSRDQQLAVSCDEPPIVDHASPE-TAH-----RLFGDIAFYCCSDG- 2050
Qy 890 FRQYVHTASSRRVCDSSGYWTPEBAVGPRD-VDQPCF--PSLQAWSPEVHLHYMMNTVPC 946
Db 2051 ---YSLADNSQLLCMAQGWVPREGQDMPRCIAHFCEKPPSVS-----YSL----- 2093
Qy 947 PTEGSLLELLFOHPVQADTLTLWTSFPMESSQVLFDTIELLE-----NKESVHLGPL 999
Db 2094 -----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGQGMNPSPMSIQCI 2142
Qy 1000 DTFCDIPFLTIKLHVDGKVGKVTYFDERI-----EIDALLTSQPHSPLCS 1046
Db 2143 PVRCGEPPSI---MNGYASGSN-YSGAMVAYSCKNGFYIKGEKKSSTCEATQWSSPIPT 2198
Qy 1047 GCRPVRYQVLRDPPFASGLPVVVTHSHRKFTDVEVTPGQWYQVLAEAGGELGEASPP 1106
Db 2199 -CHPV-----SCGEPPKVENGF-----LEHTTGRIEFSVRYQCNPGYKSVGSPV 2242
Qy 1107 -----NHIHG-APY-----CG-----DGKVSERLGEBCDDGDLVSGDCGS 1140
Db 2243 FVCQANRHHWHSFPLMCVPLDCGKPPPIQNGFMKGENFEVGSRYQFFCNEGVELVGD-S 2301
Qy 1141 KVCLEEGFNCGVEPSLCTMYEGDICEPFE-----RKTISIVDCGIY---PK 1185
Db 2302 WTCQKSGKWNKSNPK-----CMPAKCEPPLLENQLVLKELTTEVGAVTFSCKE 2351
Qy 1186 GYL-----DQWATRAYSSHEDKKCPVSLVTGEPSHICTSYHPDLPN--HR 1230
Db 2352 GHVLQGBSVLKLPSQQW-----NDSFPVCKIIVLCTPPP---LISFGVPIPSALHF 2400
Qy 1231 PLTGWFPCVAS---ENETQDRSEQPEGLKKEDEVW---LKVCFNRPGEARAFIFLTL 1283
Db 2401 GSTVAKSCVGGFLLRGNST-----TLQCPDGTWSSPLPEC----- 2435
Qy 1284 TDGLVPEGHQOP-TVTLYLTDVRSNGSHSLGTYGLSCQHN-PLINVT---HHQNVLFHH 1337

Db 2436 ---VPVECPQPEEILNGIIDVOGLAY-LSTALYTCKPGFELVGNNTTLGNGHWLGK 2490

Qy 1338 TTSVLNFSRPRVISAVALRTSSRIGLSAPNSCISEDEGQNHQGS---CIHRPCGKOD 1394

Db 2491 PTCKAIECLKPKKELINGKFSYTDLHYGQVTYSC---NRGFRLEGPSALTGLE--TGDMW 2545

Qy 1395 -SCPSLLDHDADVNCSTSIGP---GLMKCA-----ITCQRFALQASSGQYIRPMQ 1441

Db 2546 VDAPS-----CNAIHCDSPPQPIENGFEVAGADYSYGAIIISCFPGFGVAGHAMQ----- 2594

Qy 1442 KEILLTSSGHWQNV-SCLPYDCGP-----DPSLVNY----- 1474

Db 2595 ---TCESGMSSSIPTCMPIDCGLPRPHIDFGDCTKLKDDQGYFEQEDMMEVPTPH 2649

Qy 1475 ---ANFSCSEGTK-----FL-KRCSISCVPPAKLQGLSPWLTCLLEDGLWSLP 1517

Db 2650 PPYHLGAVAKTMENTKESPATHSSNFLYGTMYSYTCNPGYELLG-NPVLICQEDGTWNGS 2708

Qy 1518 EVMC-KLECDAPIILNANLLPHCLQDNHDVGTICKYECKPGYVAESAEGKVRNKLK 1576

Db 2709 APSCISIECDLPTAPENGFLRFTET-----SMGSAVQYSCKPGHILVGS-----LR 2755

Qy 1577 IQCLEGGIWEQGS--CIPVCEBPFPVFEQ-----MYECTNGFSLDSQVLN 1621

Db 2756 L-CLENRKMSGASPRCEAISCCKPNPVMNGSIKGSNTYTLSTLYECPGTY-----VLN 2808

Qy 1622 CNQEREKPLICTKEGLWTQEFKLCENLQGECPPPPELN-----SVEYKCEQ 1669

Db 2809 GTERR-----TCODDKXWDEDEPIC--IPVDCSSPPVSANGQVRGDEYTFQKEIETCNE 2861

Qy 1670 GY-----GIGAVCSPL-CVIRPSDPVMLPENITADTLEHMEPVK--- 1708

Db 2862 GFLEGARSRVCLANGSWSGATPDCVPVRCAFPB---QLANGVTGLDYGEMKEVTFHC 2917

Qy 1709 -----VQSIVCTGRRQWHPDPVLVHCIOSCPE 1735

Db 2918 HEGYILHGAPKLTQSDGNWDAB-----IPLCKP 2946

RESULT 7

US-09-911-842A-5

; Sequence 5, Application US/09911842A

; Patent No. 6656707

; GENERAL INFORMATION:

; APPLICANT: Amgen Inc.

; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF

; FILE REFERENCE: 01017/37592

; CURRENT APPLICATION NUMBER: US/09/911,842A

; CURRENT FILING DATE: 2001-07-24

; PRIOR APPLICATION NUMBER: US 60/222,438

; PRIOR FILING DATE: 2000-08-01

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5

; LENGTH: 2489

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-911-842A-5

Query Match 3.0%; Score 292.5; DB 2; Length 2489;

Best Local Similarity 19.1%; Pred. No. 5.2e-15;

Matches 390; Conservative 211; Mismatches 691; Indels 745; Gaps 109;

Qy 76 GNYLRPYVGEQEIHTGRSKPDTEGNVSLVPPDLTENPAGLRGAVEEPAAPWVGDSPI 135

Db 434 GKPLEVFPFG-KAVNYTCDPHPD-RGTSPDLI-----GESTIR-CTSDPDQNGVWSSPA 484

Qy 136 GQSELGCD---DDAYLGNQRSKESLGEAGIQKSAMAATTTA---IFTTLN-EKPEPT 187

Db 485 PRGILGHCAPDHFL-----FAKLKTQTNASDPICGSLKYECPREY 527

Qy 188 QRRGWAKSRQRRQVWKRRAEDGGGSGISSHFQFWPKHSLKHRVKSPPPEESN----- 240

Db 528 YGRPFSTICLDNLVWSS-----PKDVCKRKSCKTPBPDVNGMVHVT 569

Qy 241 --QNGEGSYREAETENSQVG--LPIYFSGRERELLRPEVLAEPREAFTEAWKPE 296

Db 570 DIQVGSRLNY-SCTGHRLLIGHSSAECILSGNAAHMSTKPIQORIPCGU----- 618

Qy 297 GGQNNPAIILAGVFDNCSHTVSDKGMALGIRSGKDKGRDARFFFSICTDRVKATILISH 356

Db 619 ---PPTIANGFISTNRENPHYGSVYTRCNPGSGGRKV---FEL---VGEPSTICTS 667

Qy 357 SRYPGTWTHVA-----ATYDGRMALVYDGTQVASSLDQ-----SGP-- 394

Db 668 NDDQVGIMSGPAPQCIIPNKCTPPNVENGILVSDNRSLSFSLNEVVEFRQPGFVMKPPRR 727

Qy 395 ---LN--SPFMASCRSL-----LIGD-----SSEDGHYFRGLG 424

Db 728 VKQALNKWEPELPSCSRVCQPPPDVLAERTQDKDNFSPGQEVFYSCPEPGYDLRGAAS 787

Qy 425 TLVF---WGTALPQSHFQSSQHSQSGEEATDVLVTASFEPVNTW---VPFRDEKYPR 477

Db 788 MRCTPDGDMSPAAP-----TCEVKSQDPMQQLLNGRVLPVNLQGAKYDFVCDGEGFQ 841

Qy 478 LE-----VLQGE-----PEPEIL-----SPLOPPLCGQTV---CD 505

Db 842 LKSSASAYCYLAGMESLWNSVPCEQIFCPSPPVIPNGRHTGKPLEVFPFGKTVNYTCD 901

Qy 506 ---NVELIS-----QYNGWPLRGEKIVIRQVNVICD--DEGLNPIVSEEQ 546

Db 902 PHPDRGTSFDLIGESTRICTSDPDQNGVW---SSPAPRCGILGHCAPDHFLFAKLKTQT 958

Qy 547 -----IRLQHEALNEAFSR-----YNISWQL-----SVHQV 572

Db 959 NASDPFGTSLKYECRPEYYGRPFSITCLDNLVWSSPKDVCKRKSCKTPPDVNGMVHVI 1018

Qy 573 HNSTLRHRVVLVNCEPSKIGNDHCPCEHPLTGYDGDCLRGRCYSMNRDGLC-HVE 631

Db 1019 TDIOVGSRL-----NYSQ--TTGHRLLIGHSSAECILSGNAAHMSTKPIQORIP 1065

Qy 632 CNMNLNFDGDCDDQVADVVRKTCFDPDPSPKRAYMSVKELKEALQLNSTHFLNIYFAS 691

Db 1066 CG-----LPPTIA-----NGDFIST 1080

Qy 692 VRDLAAGATWPMKDVAVTHLGGIVLSPAYYGMPGHTDTMIHEVHVLGLY-----H 743

Db 1081 NRENF-----HYGSVY---TYRCNPGSGGRKVPFLVGEPSICTSNDQVG 1123

Qy 744 VFQVSEBESCNDPCKETVPSMETGDLCADTAPT-----PKSELCR 784

Db 1124 IWSGPAPQ--CIIPNKCTPPNVENGILVSDNRSLSFSLNEVVEFRQPGFVMKPPRRVKCQ 1181

Qy 785 ---EPEPTSDTCGFTRPGAPFTNYSYTDNCTDNFTPNQVARNHCYLDLVYQWTESR 841

Db 1182 ALNKWEPELPSCSRVCQPPPDVLAERTQDKDNFSPGQEVFYSC----- 1226

Qy 842 KPTPIPIPPMVIGQTNKSLTIHMLPPIISGVYD-RASGSLCGACTEDGTFRQYVHTASSR 900

Db 1227 EPG-----YDLRGAASM--RCTPDGDMSPAAPTCEVK 1256

Qy 901 RVCDSGTYTPBEAVGPPD-----VDQPCPSLQAWSPEVHLYHMMNTVPCPTBGCSLE 954

Db 1257 SCDDPMQQLNGRVLPVNLQGAKYDFVCDGEGFQ-----LKGSSA- 1297

Qy 955 LLFQHPQADTLTLMTVSFFMESQVLFTEILLENKESVHLG-PLDTF-----CD 1004

Db 1298 ---SYCVLAGMESLWNSVPV-CEQIFCPSPPVIPNGR--HTGKPLEVFPFGKAVNYTCD 1351

Qy 1005 IPLTIKLHYDGKVSQVKTTPDERIEIDALLTSQPH-----SPL-----CSGCRP 1050

Db 1352 ---PHPDRTS-----FD-LIGESTRICTSDPDQNGVWSSPAPRCGILGHCAPDH 1398

Qy 1051 VRYQVLRDPPFASGLPVVVTSHRKTDEVTPEGMYQYQVLAAG-----ELGE 1101

Db 1399 FLFAKLKTQTNASDPFI-----GTSIKYECPREYYGRPFSITCLDNLVW 1442


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QY 1102 ASP-----PLNHHGAPY-CGDGVSERLGECDGDLVSGDGSKVCELEBGF 1149
Db 1443 SSPKDVCKRKSCKTPPDVPMGVHVTIDIQVGRINYSCTGHRLLIGHSSAE----- 1494
QY 1150 NCVGEPSLCYMEGDGICEPERKTSIVDCG-----ITYPKGYLDQWATRAYSSH 1199
Db 1495 -CILSGNTAHMSTKPPICQR-----IPCGLPPTIANGDFISTNRENFHYGSVVTYRCN 1546
QY 1200 EDKKKCPVSLVTGEPHSLICTSYHPD-----LBNH-RPLTGMFPVASENETQ 1246
Db 1547 LGSRGKRVFELVGEPR-SIYCTISNDQVIGWSGPAPOCIENKCTP-----PNVENGLIVS 1600
QY 1247 DDRSEQPEGLSKKEDEVMLKVCFNRPGEARAFIFLITTDGLVGEHQPTVTLYLTDVRG 1306
Db 1601 DNRS--LFSLNEVVEFRQPGFVMKPPRR-----VKQALNKWEPELPSCSR----- 1646
QY 1307 SNHSLGTYGLSCQHNPILINVTH--HQNVLFHHTTSVLNFFSSPRVGISAVALTSSRI 1363
Db 1647 -----CQPPFELHGEHTPSHQD-----NFSP----- 1668
QY 1364 GLSAPSNCSISEDEGQNHOGOSCIHRPCGKQ-----DSCPSLL--LDHADVYNC 1409
Db 1669 GQEVFYSC--EPGYDLRGAASLH--CTPQGDWSPAPRCVAKSCDDFLGQLPHGRVLEP 1723
QY 1410 TSIGPGLMKCAITCQGRFALOAASSGOYIRPMOKELILTSSSGHWQDNVS-CLPVDGCVPD 1468
Db 1724 LNLQLG-AKVSFVCDEGFRLKSSVSH-----CVLVGMRSLMNNNSVPVCEHIFCPNP- 1774
QY 1469 PSLVNYANFSCSEG-TKFLKCSISCVP-----PAKLGISFWLTCLED--GLMSLP 1517
Db 1775 PALNGRHTGTPSGDIPYKEISYTCDPHPRDGMTFNILGEST-IRCTSDPHGNGWSSP 1833
QY 1518 EYVCKL----ECDAPRIILNANLLPHCLQD-NHDVGTICKYECKPGYVAESAEGKYR 1571
Db 1834 APRCELSVRAGHCKTPEQFPFASPTIP--INDEFPVGTSLNYECRPGYF----- 1881
QY 1572 NKLLKIQCLEGGIWE-QGSCIPVCEPPRPVPEGM-----YECTNGFSL- 1614
Db 1882 GKMFISISCLENLVWSSVEDNCRKSCGPPPEPFNGMVHINTDTQFGSTVNYSCNEGFRLLI 1941
QY 1615 ---DSQCVLNCNOERKELPILCTKEGLWTQEFKLCENLOGECPPPSELS----- 1662
Db 1942 GSPSTTCLVSGNNV-----TWDKKAPICEII--SCEPPTISNGDFYSNNRTS 1987
QY 1663 -----VEYKCEQGYG-----IGAVCSP-----LCVIPP-S 1686
Db 1988 FHNGTVVTYQCHTGPDEQLFELVGERISYCTSKDDQVGWSSPPRCISTNKCTAPEVE 2047
QY 1687 DPMVLPENIT---ADTLEHMMEP---VKVQISVCTGRQWHPDPVLVHCIOGCEP 1735
Db 2048 NAIRVPGNRSFSLTEIVFRCPGFMVVGSHTVQCQTNGRW--GPKLPHCSRVCQP 2102

RESULT 8
5256642-10
;PATENT NO. 5256642
;APPLICANT: FEARON, DOUGLAS T.;KLICKSTEIN, LLOYD B.;WONG,
;MINNIE W.;CARSON, GERALD R.;CONCINO, MICHAEL F.;IP, STEPHEN
;H.;MAKRIDES, SAVVAS;MARSH, HENRY C. JR.
;TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
;RECEPTOR 1 (CR1) AND A THROMBOLYTIC AGENT, AND THE METHODS OF
;USE THEREOF
;NUMBER OF SEQUENCES: 30
;CURRENT APPLICATION DATA:
;APPLICATION NUMBER: US/08/588,128
;FILING DATE: 24-SEP-1990
;PRIOR APPLICATION DATA:
;APPLICATION NUMBER: 412,745
;FILING DATE: 26-SEP-1989
;APPLICATION NUMBER: 332,865
;FILING DATE: 03-APR-1989
;APPLICATION NUMBER: 176,532

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; FILING DATE: 01-APR-1988
; SEQ ID NO:10:
; LENGTH: 1847
5256642-10

Query Match      2.9%; Score 287.5; DB 6; Length 1847;
Best Local Similarity 19.1%; Pred. No. 8.5e-15;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;
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	Query	Match	Score	DB	Length
QY	454 LVLTSFEPVNT-EWVPF-----RDE-----KYPRLEVLQGFEPEPILSPLOPL--	498			
Db	39 LALPVAWGQCNAPEWLFPARPTNLTDFFEFPIGYLYNECRPGYSGRPFSSICLKNSVWT	98			
QY	499 -----CGQTVC DN-----VELISQNGYWPLRGKVI	525			
Db	99 GAKDRCRKRKSCRNPPDPVNGMVHVIKGIQFGSQIKYSCTKGYRLIGSSSATCIIISGPTYI	158			
QY	526 RYQVNINCD--DEGLNPVSEEQIRLQHEALNEAF---SRYNISQLSVHQVHNSTLRHR	580			
Db	159 WDNETPICDRIPCGLPITIT-----NGDFISTRENHFHY-----GS	194			
QY	581 VLVNCEPSKIGND-----HCDPECEHPLTYDG--DCRLQRCYSWNRRDL	627			
Db	195 VVTYRCNPGSGRKVFELVGEPISICTSNDQ--VGIMSGPAQCII PNKCTPPVENGT	252			
QY	628 CHEVCNNM--LNDFDDGDC-----C-----DPQAVDRKTCFDPDSPKRAY	666			
Db	253 LVSDNRSLFLSNEVEFERCQFVFMKGPRRVKCQALNKWEPELPCSCRVCQPPDVLAHA-	311			
QY	667 MSVKELKEALQLNSTHF--LNITYFASSVRDLAATW-----PMDKDAVT-----	710			
Db	312 -----ERTQRDKDNESPGQEVFYSCPEGYDLRGAASMRCTPQGDWSPAAPTCEVKS CD	364			
QY	711 ----HLGGIVLSPAYYGMPGHTDTMIHEGVHVLG--LYHVFKG-----VSERE	752			
Db	365 DFMGQLNGRVLFPVNIQLGAKVDVFCDEGFOLKSSASACVLAGMESLMNSSVAVCEOI	424			
QY	753 SCNDPCKETVPS-METG-----DLCAD-----	773			
Db	425 FC--PSPV I PNGRH T GKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRCTS DPQN	482			
QY	774 ---TAPT PKSEL--CREPE-----PTS DT CGFT RP--GAPFTNYS	808			
Db	483 GWSSPARRCGILGHCA PDHFLFAKLKTQTNASDFPIGTS LKYE CRPEYYGR PFS---	538			
QY	809 YTDNCTDNF---TPNOVARMH CYLDLVYQQWTESRKP TP I PPMV-----	852			
Db	539 ---ITCLDNLVMSSPKDYCK-----RKSKTPPD PVNGMVHITDIQVGRIN	583			
QY	853 -----IGQTNKSLTI-----HW-LPPI-----SGVVYDRASGLCGACTEDGTER	891			
Db	584 YSCTTGHRLLIGHSSAECLISGNAAHMWSTKPRIPCRI PCGLPPTIANGDFI-----STNR	637			
QY	892 QYVHTAS--SRRVCDSSGWYTPBEAVGPDPV-----DQCPCEPSLQAWS-PEVHLYHMNM	942			
Db	638 ENFHGVS VTYRCNPGSGRKVFELVGEPIS ICTSNDQ----VGIMSGPAQCII PNK	692			
QY	943 TVPCPTEGCSLELLFQHVPQADTLTLMTVSFFMESSQVLPDTEILLE--NKESVHLGPL	999			
Db	693 CTPPNVE-----NGILVSDNRSLFLSNEVEFERCQPGFWMKGPR	731			
QY	1000 DTFCDIPLTIKLHDGKVS GKVYTFDERIEIDAALLTSQHP SPLCSG-CRPVRYOYL RD	1058			
Db	732 RVKQC-----ALNKWEPELPSCSRVCQP-----	754			
QY	1059 PPFAAGLPVVVTHSHRKFTDVE-VTPGQM YOYVLAAGGEL-GEAS---PRLNHIGA	1112			
Db	755 -----PPDV LHAERIQRDKNFS PGQEVFYS--CEPGYDLRGAASMRCTPQGDWS PA A	805			
QY	1113 PYCG-----DGK---VSERLGEE---CDDGDVLVSGDGCS-----	1140			
Db	806 PTCEVKS CDDFMGQLNGRVLFPVNIQLGAKVDVFCDEGFOLKSSASACVLAGMESLMN	865			

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QY 1141 ---KVC-----LE-----EGFNCVGEPSL-C 1158
Db 866 SSVPCEQICPSPPIVINGRHTGKPLEVEFPFGKAVNYTCDPHPDRGTSFDLIGESTIRC 925
QY 1159 YM-YEGDI-----CE-----PFERKTSIVDCGIY------PKGY-- 1187
Db 926 TSDPQNGWSSPAPRCGILGHCAQPHFLAKLKTQTNASDFPIGSLKYECPREYYGR 985
QY 1188 ---LDQWATRAYSHED---KKKC--PVSIVTGEPSLI-----CTSYHPD 1225
Db 986 PFSITCLD---NLVWSSPKDVCCKRSCKTPDPVNGMVHVTIDIVGSRINYSCTTGH-R 1041
QY 1226 LPNHR-----PLTGWPC-----VASENETODDRSEQPEGLKKEDEV 1263
Db 1042 LIGHSSAECILSGNTAHWSTKPIQRIQGLPPTIANGDFISTRENPHYGSV----- 1095
QY 1264 WLKVCFNRPGEARAI-----IFLTIDG-----LVGHEHQPTVT--LYL 1301
Db 1096 -VTYRCNLGSRGRKVFELVGEPSICTSNDQVGIWSGAPQCIIIPNKCTPPNVENGILV 1154
QY 1302 TDVRSNHSI-----GYGLSCQ-----HNPILINVTHQNVLFH 1336
Db 1155 SD---NRSLFSLNEVDFRCQGFVWKGRRAVKQALNKWEPELPSCSRVCQPPPEILH 1210
QY 1337 --HTSVLNFSSPRVGISAVALTSSRTIGLSAPNSCISEDEGQNHQSCIRPCGKQ- 1393
Db 1211 GEHTPSHQDNFSP-----QGEVFYSC--EPGYDIRGAASLH--CTPQG 1249
QY 1394 ---DSCPSSL--LDHADVVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1440
Db 1250 DW$PEARCAVKSCDLFLGQLPHGRVLPPLNLQLG-AKVSFVCDGFRLLKSSSVSH--- 1304
QY 1441 QKEILLTCSSGHWDQNVS-CLPVDGCVDPBSLVNYANFSSCSEG-TKFLKRCSISCV- 1495
Db 1305 --CVLVGMSRLMNSVPCVCEHIFCPNP-PALNGRHTGTSPGDIPIYKEISYTCDPHPD 1360
QY 1496 --PAKLOGLSPWLTCLD---GLWSLBEVYCKL-----ECDAPPIILNANLLPHCLQ 1543
Db 1361 RGMTFNLIGEST-IRCTSDPHNGWSSPAPRCELSVRAGHCKTPEQFPFASPTIP--IN 1417
QY 1544 D-NHDVGTICKYECKRGYYVAESAEGKVRNKLKIQCLEGGIWE--QSCIPVCEPPPP 1600
Db 1418 DFEFPVGTSLNYECRPGYF-----GKMFSISCLENLVWSSVEDNCRKRS CGPPPE 1467
QY 1601 VFEGM-----YECTNGBSL---DSQCVLNCQEREKLPILCTKEGLWTQE 1642
Db 1468 PFNGMVHINTDQFGSTVNYSCEGFRLLIGSPSTTCLVSGNNV-----TWDXK 1515
QY 1643 FKLCENLOGECPPPPSLELS-----VEYKCEQGYG----- 1672
Db 1516 APICEIIL--SCEPPTISNGDFYSNNRTSFHNGTVTYQCHTGPDEQLFELVGERSIYC 1573
QY 1673 ---IGAVCSP-----LCVIPP-SDPVMLEPNIT---ADTLEHMMEP---YKV 1709
Db 1574 TSKDDQVGVWSSPPRCISTNKCTAPBVENAIRVPGNRSFSLTEIIRFCQPGFVMVGS 1633
QY 1710 QSIVCTGRQWHPDPVLVHCIOGCEP 1735
Db 1634 HTVQCQTNGRW--GPKLPHCSRVCP 1657

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RESULT 9
5472939-10
; Patent No. 5472939
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138,825
; FILING DATE: 19-OCT-1993

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588,128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1988
; SEQ ID NO:10:
; LENGTH: 2006
5472939-10

Query Match 2.9%; Score 287.5; DB 6; Length 1847;
Best Local Similarity 19.1%; Pred. No. 8.5e-15;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;

QY 454 LVLTASFEPPVNT-EWVPF-----RDE-----KYPRLEVLQGEPEPEILSPLQPL-- 498
Db 39 LALPVAMQCNAPLEWLPFARPTNLTDEFEPPIGTILNYECRPGYSGRPFSITCLKNSVWT 98
QY 499 ---CGQTVCDN-----VELISQYNGYWPRLRGEKVI 525
Db 99 GAKDRCKRKS CRNPDPVNGMVHVIKIQFGS QIKYSCFKGYRLIGSSATCIIISGDTVI 158
QY 526 RYQVNVICD--DEGLNPIVSEEQIRLQHEALNEAF---SRYNISWQLSVHQVHNSTLRHR 580
Db 159 WDNETPICDRIPCGLPPTIT-----NGDFISTRENPHY-----GS 194
QY 581 VVLVNCPEPSKIGND-----HCDPECEHPLTGYDG---DCRLQGRCYSMNRDGL 627
Db 195 VVTYRCNPGSGGRKVFELVGEPSICTSNDQ--VGWSGAPQCIIIPNKCTPPNVENGIL 252
QY 628 CHVECNM--LNDPDDGC-----C-----DPQVADVKTCTFPDPSPKRAY 666
Db 253 LVSDNRSLSLNEVEFRQCPYFVWKGRRAVKQALNKWEPELPSCSRVCQPPDVLHA- 311
QY 667 MSVAKELKALQLNSTHF--LNIFYASSVREDLAGATW-----PMDKDAVT----- 710
Db 312 -----ERTQDKDNFSPGQEVFYSCPEGYDLRGAASMRCTPQGDWSPAAPTCEVKS CD 364
QY 711 ---HLGGIVLSPAYYGMGHTDTMIEVGHVLG--LYHVEKG-----VSSERE 752
Db 365 DEMGQLNGRVLFPVNLQLGAKYDFVCDGFLKSSASICYLAGMESLMNSVPCVEQI 424
QY 753 SCNDPCKETVPS-METG-----DLCAD----- 773
Db 425 FC--PSPPIVINGRHTGKPLEVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPQGN 482
QY 774 ---TAPTPKSEL--CREPE-----PISDTGFTFRP--GAPFTNYMS 808
Db 483 GVVSSPAPRCGILGHCAQPHFLAKLKTQTNASDFPIGTSLKYECPREYYGRPFS---- 538
QY 809 YTDNCTDNF--TPNQVARMHCYLDLVYQWTESRKPTPIPPMV----- 852
Db 539 ---ITCLDNLVWSSPKDVCK-----RKSKCTPPDPVNGMVHVTIDIVGSRIN 583
QY 853 ---IGQTNKSLTI-----HW--LPPI-----SGVYYDRASGSLGACTEDGTFR 891
Db 584 YSCTTGHRLIGHSSAECILSGNAAHWSTKPIQRIQGLPPTIANGDFI-----STNR 637
QY 892 QYVHTAS--SRVCDSSGYWTPBEAVGPPDV-----DQCEPSLQAWS-PEVHLYHNM 942
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QY 943 TVPCPTGCSLELLFQHPVQADTLTLWTSFFMESSQVLFDTLEILLE--NKESYHIGPL 999
Db 693 CTPEPVE-----NGILVSDNRSLSLNEVEFRQCPGFVWKGRPR 731
QY 1000 DTFCDIPLTIKLHVDKGVGVYTFDERIEIDAALITSQHPSPKCSG-CRPVRYQVLRD 1058
Db 732 RVKQQ-----ALNKWEPELPSCSRVCQF----- 754

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QY	1113	PYCG-----DGK-----VSERLGEE---CDDGLVSGDGS-----		1140
Db	806	PTCEVKSCDDFMGLNGRLVFPVNLQLGAKVDVCEGFOCLKGSSASYCVLAGMESL	WN	865
QY	1141	---KVCE-----LE-----EGFNCVGEPSL-C		1158
Db	866	SSVPVCEQIFCPSPPVIPNGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGEST	IRC	925
QY	1159	YM-YEGDI-----CE-----PFERKTSIVDCGIYT-----PKGY--		1187
Db	926	TSDPQNGVWSSPAPRCGLIGHCQAPDHLFLAKLKTQTNASDFPIGTSLKYECPREY	GR	985
QY	1188	-----LDQWATRAYSSHED---KKKC--PVSIVTGEPSLI-----CTSYHPD		1225
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QY	1226	LPNHR-----PLTGWPC-----VASENETQDDRSEQPEGLKKEDEV		1263
Db	1042	LIGHSSAECILSGNTAHSITKPIQORIPCGLPPTIANGDFISTRENPHYGSV-----		1095
QY	1264	WLKVCFNRPGEARAIF-----IFLITDG-----LVPEHQOPTVT--LYL		1301
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QY	1302	TDVRGSNHSI-----GTYGLSCQ-----HNPLIINTVTHQNVLFH		1336
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QY	1394	-----DSCPSSL--LDHADVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM		1440
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QY	1441	QKEILLTCCSGHWDQNVS-CLPVDGCVDPDSLNVYANFSCSEG-TKFLKRCISICVP---		1495
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QY	1496	---PAKLQGLSPMLTCLD---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLQ		1543
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QY	1544	D-NHDVGTICKYECKPGYYVAESAEGKVRNKLKIQCLEGGIWE--QGSICIPVCEPPPP		1600
Db	1418	DFFPVGTSLNTECRPGYF-----GKMFISICLENLWSSVEDNCRKRKSCGPPPE		1467
QY	1601	VFEGM-----YECTNGFSY---DSQCVLNCGQEREKLPILCTKEGLTQOE		1642
Db	1468	PENGWVHINTDTQFGSTVYNSCNEGFRLLIGSPSTTCLVSGNNV-----TWDDK		1515
QY	1643	FKLCENLQGECPPPPSSELS-----VEYKCEQGYG-----		1672
Db	1516	APICEIIT--SCEPPPTISNGDFYSNNRRTSFHNGTVVTYQCHTGPDGEQLFELVGERSTYC		1573
QY	1673	-----IGAVCSP-----LCVIPP-SDPVMLEPENIT-----ADTLEHMEP---VKV		1709
Db	1574	TSKDDQVGWVSSPPRCISTNKCTAPEVENAIRVPGNRGFSFLTEIIRFCQPGFVWGS		1633
QY	1710	QSIVCTGRQWHPDPVLVHCIOSCP		1735
Db	1634	HTVQCQTNGRW--GPKLPHCSRVCQ		1657

```

;MINNIE W.;CARSON, GERALD R.;CONCINO, MICHAEL F.;IP, STEPHEN
;H.;MAKRIDES, SAVVAS;MARSH, HENRY C. JR.
;TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
;RECEPTOR 1 (CR1) AND A THROMBOLYTIC AGENT, AND THE METHODS OF
;USE THEREOF
;NUMBER OF SEQUENCES: 30
;CURRENT APPLICATION DATA:
;APPLICATION NUMBER: US/08/588,128
;FILING DATE: 24-SEP-1990
;PRIOR APPLICATION DATA:
;APPLICATION NUMBER: 412,745
;FILING DATE: 26-SEP-1989
;APPLICATION NUMBER: 332,865
;FILING DATE: 03-APR-1989
;APPLICATION NUMBER: 176,532
;FILING DATE: 01-APR-1988
;SEQ ID NO:2:
;LENGTH: 2039
5256642-2

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Query Match	2.9%;	Score 287.5;	DB 6;	Length 2039;
Best Local Similarity	19.1%;	Pred. No. 1e-14;		
Matches 349;	Conservative 178;	Mismatches 548;	Indels 751;	Gaps 105;

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			:	:	:	:		:	:	:	:	:	:	:	:	:	
QY	499	----	CGQ	T	CDN	-----		-----		----	VEL	ISQ	NG	Y	WPL	RG	525
			:	:	:	:		:	:	:		:	:	:	:	:	
Db	94	GAKD	R	CR	RK	SCR	NPPD	PV	NG	MV	HV	IK	IG	F	SQ	I	153
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QY	526	RYQ	V	N	I	C	D	-	DE	G	L	N	P	I	V	SE	580
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Db	154	WD	NE	T	P	I	C	D	R	I	P	C	G	L	P	P	189
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QY	581	VL	V	N	C	E	P	S	K	I	G	N	D	-----	H	C	627
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Db	190	V	T	Y	R	C	N	P	G	S	G	R	K	V	F	E	247
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QY	628	CH	V	E	C	N	N	M	-	L	N	D	F	D	D	G	666
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Db	307	----	E	R	T	Q	R	D	K	D	N	F	S	P	G	E	359
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QY	711	----	H	G	G	I	V	L	S	P	A	Y	G	M	P	G	752
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Db	360	D	F	M	Q	L	N	G	R	V	L	F	P	V	N	L	419
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QY	753	S	C	N	D	P	C	K	E	T	V	P	S	-	M	E	773
			:	:	:	:		:	:	:		:	:	:	:	:	
Db	420	F	C	-	P	S	P	P	V	I	P	N	G	R	H	T	477
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QY	774	----	T	A	P	T	P	K	S	E	L	----	C	R	E	P	808
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Db	478	G	W	S	S	P	A	P	R	C	G	I	L	G	H	C	533
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QY	809	Y	T	D	N	C	T	D	N	F	----	T	P	N	Q	V	852
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Db	534	----	I	T	C	L	D	N	L	V	M	S	S	P	K	D	578
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QY	853	----	I	G	T	N	K	S	L	T	----	H	W	-	L	P	891
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Db	579	Y	S	C	T	G	H	R	L	I	G	H	S	S	A	E	632
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QY 1059 PPFASGLPVVTHSHRKFTDVE-VTPGMYQYQVLAEGEL-GEAS-----PPLNIHGA 1112
Db 750 -----PPDLHAERTQBDKNFSPGQEVFYS--CEPGYDLRGAASMRCTPGDWSPPA 800
QY 1113 PYCG-----DGK-----VSERLGEE-----CDDGDLVSGDGS----- 1140
Db 801 PTCEVKSCDDFMGQLNGRYLFPVNLQGAKVDFVCDEGRQLKSSASVYCVLAGMESLWN 860
QY 1141 ---KVCE-----LE-----EGFNCVGEPSL-C 1158
Db 861 SSVPVCEQIFCPSRPVFNGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRC 920
QY 1159 YM-YEGDI-----CE-----PFEKTSIVDCGIYT-----PKGY-- 1187
Db 921 TSDPGNGVWSSPAPRCGLGHQAQPDHFLFAKLKTQTNASDFPIGTSLKYECRBEYYGR 980
QY 1188 -----LDQWATRAYSSHED---KKKC--PVS�VTGEPHSLI-----CTSYHPD 1225
Db 981 PFSITCLD---NLVWSSPKDVCKRKSCKTPPDVNGMVHVTIDIQVSRINYSCTTGH-R 1036
QY 1226 LFNHR-----PLTGWPC-----VASENETQDDRSEQPEGSLLKKEDEV 1263
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QY 1264 WLKVCENRGEARAF-----IFLTGD-----LVPEHQQPTVT--LYL 1301
Db 1091 -VTYRCNLGSRGRKVFELVGEPSIYCTSNDDQVIGWSPAPQCIIIPNKCTPPNVENGILV 1149
QY 1302 TDVRGSNHSL-----GTYGLSQ-----HNPLINVTTHQNVLFH 1336
Db 1150 SD---NRSLSFSLNEVDVDFRCQPGFVMKGPFRVKKQALNKWEPELPSCSRVCOPPEILH 1205
QY 1337 --HTSVLLNFSSPRVGISAVALTRTSRIGLSAPSNCSISEDEQNHQGSCTHRPCGQ- 1393
Db 1206 GEHTPSHQDNFSP-----GQEVFYS----EPGYDLRGAASLH--CTPQG 1244
QY 1394 -----DSCPSLL--LDHADVNCTSIGPGLMCAITCQGFALQASSGQYIRPM 1440
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Db 1300 ---CVLVGMKSLMNNNSVPVCEHIFCPNP-PALINGRHGTTPSGDIPYGEKISYTCDPHPD 1355
QY 1496 ---PAKQGLSPMLTCLD---GLWSLPEVYCKL-----ECDAPRIILNANLLPHCLQ 1543
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QY 1544 D-NHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEGGIWE--QGSCTPVYCEPPPP 1600
Db 1413 DFEFPVGTSLNYECRGYF-----GKMFSISCIENLWSSVEDNCRKSCGPPPE 1462
QY 1601 VFEEM-----YECTNGFSL---DSQCVLNCQBEREKLPICTKEGLWTQE 1642
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QY 1643 FKLCENLQGECPRPSELNS-----VEYKCEQGYG----- 1672
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Db 1629 HTVQCQTNGRW--GPXLPHCRRVCQP 1652
RESULT 11
5472939-2
; Patent No. 5472939
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138, 825
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588, 128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412, 745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332, 865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176, 532
; FILING DATE: 01-APR-1988
; SEQ ID NO: 2:
; LENGTH: 2039
5472939-2
Query Match 2.9%; Score 287.5; DB 6; Length 2039;
Best Local Similarity 19.1%; Pred. No. 1e-14;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;
QY 454 LVLTASFEPVNT-EMVPE-----RDE-----KYPRLEVLQGFEPPEILSPUQPL-- 498
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QY 499 -----CGQTVCDN-----VELISQYNGYWPDLRGEKVI 525
Db 94 GAKDRCRKRKSCRNPDPVNGMVHVIKGIQFGSOIKYISCTKGYRLIGSSSATCIISGDTVI 153
QY 526 RYQVNVICD--DEGLNPVSEQIRLOHEALNEAF--SRYNISWQLSVHQVHNSTLRHR 580
Db 154 WNETPICDRIPCGLPPTT-----NGDFISTNRENFHY-----GS 189
QY 581 VLVNCEPSKIGND-----HCDPECEHPLTGYDGG--DCRLQRCYSWNRDGL 627
Db 190 VVTYRCNPGSGGRKVFELVGEPSIYCTSNDDQ--VGIWSPAPQCIIIPNKCTPPNVENG 247
QY 628 CHVECNMM--LNDPDDGDC-----C-----DPQVADVKTGFPDPSPKRAY 666
Db 248 LVSDNRSLFSLNEVEFRCPQVFVWMKGPFRVKKQALNKWEPELPSCSRVCQPPDVLHA- 306
QY 667 MSVKELKEALQLNSTHF--LNTYFASSVREDLAATW-----PMDKDAVT----- 710
Db 307 -----ERTQDKDNFSPGQEVFYSCEPGYDLRGAASMRCTPGDWSPPAFTCEVKS 359
QY 711 -----HLGGIYLSPAYYGMPGHTDTMHEGVHLG--LYHVFKG-----VSERE 752
Db 360 DEMGQLNGRYLFPVNLQGAKVDFVCDEGFRQLKSSASVYCVLAGMESLWNSVPCQOI 419
QY 753 SCNDPCKETVPS-METG-----DLCAD----- 773
Db 420 FC--PSPVVPNGRHGTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPQGN 477
QY 774 ---TAPTPKSEL---CREPE-----PTSDTCGFTFRP---GAPFTNYS 808
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Db 534 ---ITCLDNLVWSSPKDVCK-----RKSKCTPPDPVNGMVHVTIDIQVSRIN 578
QY 853 -----IGQTNKSLTI-----HW--LPPI-----SGVVYDRASGSLCGACTEDGTFR 891

Db 579 YSCTTGHRLIGHSSAECILSGNAAHMSTKEPICQIRIPCGLPPTIANGDFI-----STNR 632
QY 892 QYHTAS--SRVCDSSGYWTPPEAVGPDDV-----DQCEPSLQAMS-PEVHLHYMM 942
Db 633 ENFHYSVVTYRCNPGSGGRKFVLFVGEPSIYCTSNDDQ-----VGIWGPAPQCIIPNK 687
QY 943 TVPCPTGCSLELLFQHPVQADTLTLWTSFFMESSQVLPDTEILLE---NKESVHLGPL 999
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QY 1188 -----LDQWATRAYSSHED---KKKC--PVSIVTGEPSHLI-----CTSYPHD 1225
Db 981 PFSITCLD---NLVWSSPKDVKRKRSCKTPDPVNGMVHITDIOVGSRIWYSCCTGH-R 1036
QY 1226 LPNHR-----PLTWGFPD-----VASENETQDDRSQPEBSLKEDDEV 1263
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QY 1264 WLKVCFNRPGEARAIF-----IFLTITDG-----LVPEHQOPTVT--LYL 1301
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Db 1150 SD---NRSLSLNEVVDFRQCPGFVMKGPRRVKCOALNKWEPELPSCSRVCQPPPEILH 1205
QY 1337 --HTTSVLNFISSPRVGISAVALRTSRIQISAPSNCSISEDEQNHOGQSCIRHPCGKO- 1393
Db 1206 GEHTPSHQDNFSP-----GQEVFVYSC--EPGYDLRGAASLH--CTPQG 1244
QY 1394 -----DSCPSSL--LDHADVNVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1440
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Db 1569 TSKDDQGVWSSPPPRCISTNKTCTABEVENAIRVPGNRSFSPSLTEIIRFCQPGFVMWGS 1628
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RESULT 12
US-09-612-314A-52
; Sequence 52, Application US/09612314A
; Patent No. 6713606
; GENERAL INFORMATION:
; APPLICANT: SMITH, RICHARD ANTHONY GODWIN
; APPLICANT: DODD, IAN
; APPLICANT: MOSSAKOWSKA, DANUTA EWA IRENA
; TITLE OF INVENTION: CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH
; FILE REFERENCE: 37945-0004
; CURRENT APPLICATION NUMBER: US/09/612,314A
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/214,913
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: PCT/EP97/03715
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: GB 96 148 71.3
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 1947
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: CRI
US-09-612-314A-52

Query Match 2.9%; Score 287; DB 2; Length 1947;
Beet Local Similarity 19.1%; Pred. No. 1e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 466 EWVPF-----RDE-----KYPRLEVLOQFEPEPEILSPLOPPL-----CGQTVCDN 506
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QY 507 -----VELISQYNGWPLRGEKYIRYQVNNICD--DE 536
Db 66 PPDPVNGMVHVIKIQFGSQIKYCTKGYRLIGSSSATCTIISGDTVIWNETPICDRIPC 125
QY 537 GLNPVSEEQIRLOHEALNEAF---SRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN 593
Db 126 GLPPTIT-----NGDFISTNRENFHY-----GSVVTYRCNPGSGGR 161
QY 594 D-----HCDPECEHPLTGYDGC---DCRLQGRCYSWNRDGLCHVECNMM--LND 638
Db 162 KVFELVGEPSIYCTSNDDQ--VGIWSGPAPQCIIPNKCTPPNVENGILVSDNRSLFSLNE 219
QY 639 FDDGDC-----C-----DPQVADVNRKTCFDPDSPKRAYMSVKELKEALQLN 679
Db 220 VVEFRCCQPGFVMKGPRRVKCOALNKWEPELPSCSRVCQPPDVLHA-----ERTQRD 271
QY 680 STF---LNIYFASSVREDLAGATW-----PWXDAVT-----HLGGIVLS 718
Db 272 KDNFSPGQEVFYSCEPGYDLRGAASMRCTPQGDWSPAAPTCEVKSDDFMGOLLNGRVLF 331
QY 719 PAYYGMFGHTDTMIHEVGHVLG--LYHVFKG-----VSEBSCNDPCKETVPS- 764
Db 332 PVNLQLGAKVDVFCDEGFOLKGSASVYCVLAGMESLMNSVVPVCEQIFC--PSPVPIPG 389
QY 765 METG-----DLCAD-----TAPTPKSEL- 782

[illegible]

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Db	1385	CRPGYF-----	GMMFIS	IS	CLENLWSSVEONCRKSCGPPPEPFNGWHINTDQ	1434		
QY	1606	-----YECTNGFSL----	DSQCVL	NCNQEREXKLPI	LCTKEGLWTQEFKL	CENLQGECP	1655	
Db	1435	FGSTVNYSCNEGFRLLIGSP	STTCLVSGNNV-----	TW	DKAPICEIT--SCEP	1480		
QY	1656	PPSELNS-----	VEYKCEQGYG-----	IGAV	CSP	1679		
Db	1481	PPTISNGDFYSNNRSTSFHNG	TVVTYQCHTGPDEQLFEL	VGERSI	YCTSKDPQGVWSSP	1540		
QY	1680	-----LCVIPP--SDP	VMLPENIT---ADT	LEHMMER---VK	QSI	VTGERQWHP	1722	
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QY	1723	DPVLVHCTIQSCEP	1735					
Db	1599	GPKLPHCSRVCQP	1611					

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RESULT 13
US-08-126-505A-13
; Sequence 13, Application US/08126505A
; Patent No. 6897290
; GENERAL INFORMATION:
; APPLICANT: Atkinson, John P.
; APPLICANT: Hourcade, Dennis
; APPLICANT: Krych, Malgorzata
; TITLE OF INVENTION: Modified Truncated Complement System
; TITLE OF INVENTION: Regulators
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center, 1201 West Peachtree
; STREET: Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: US
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/126,505A
; FILING DATE: 24-SEP-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/695,514
; FILING DATE: 03-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: WU101CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 873-8794
; TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1998 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-126-505A-13

Query Match          2.9%; Score 287; DB 2; Length 1998;
Best Local Similarity 19.1%; Pred. No. 1.1e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

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LENGTH: 1466
5256642-6
Query Match 2.9%; Score 283; DB 6; Length 1466;
Best Local Similarity 19.5%; Pred. No. 1.4e-14;
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;
QY 602 HPLTGYDGDCLQGRCYSWNRDGLC-HVECNMMLNDFDDGCCDPQVADVKTCTCFDPD 660
DB 83 HRLIGHSSAECILSGNAHAWSTKPRICQRIPCG-----LPPTIA----- 121
QY 661 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPDKDAVTHLGIVLSPA 720
DB 122 -----NGDFISTNRENF-----HYGSVV---T 140
QY 721 YYGMPGHTDTMHEVGHVGLY-----HVKGVSERESCNDPCKETVPSMETGDLCA 772
DB 141 YRCNPGSGGRKVFELVGEPSIYCTSNDDQVIGWSGAPQ--CIIPNKCTPPNVENGILVS 198
QY 773 DTAPT-----PKSELCR---EPEPTSDTCGFTFRPGAPFTNYMSYT 810
DB 199 DNRSLFSLNEVEFRCPQGFVMKGPARRVKCQALNKWEPELPSCSRVCQP--PPDVLHAERT 257
QY 811 DDNCTDNFTPNQVARMHCYLDLVYQQWTESRKPTPIPIPPMVIQOTNKSLLTIHMLPPISG 870
DB 258 QRD-KDNFSPGQEVFVYSC-----EPG----- 277
QY 871 VVYD-RASGSLGACTEDGTFRQYVHTASSRVCDSSGYWTPBEAVGPPD-----VDQP 923
DB 278 --YDLRGAASM--RCTPGGDWSPAPRTCEVKSCHDDFMQOLLNGRVLFPVNLQGAKVDFV 333
QY 924 CEPSLQAWSPEVLYHMMNTVPCPTGEGCSLELLFQHPVQADTLTLMTSPMESSQVLPD 983
DB 334 CDEGFQ-----LKGSSA---SYCVLAGESLWNSVYVY-CEQIFCP 370
QY 984 TEILLENKESVHLG-PLDTF-----CDIPLTIKLHVDGKVSQVYVTFDERIEIDA 1033
DB 371 SPPVIPNGR--HTGKPLEVFPFGKAVNYTCD-----PHPDRTGS-----FD-LIGEST 415
QY 1034 ALLTSQPH-----SPL-----CSGCRPVRYQVLRDPPFASGLPVVVTSHSRKFTDV 1079
DB 416 IRCTSDPQNGWSSPAPRCGILGHCOAPDHFLEAKLKTQTNASDFPI----- 463
QY 1080 EVTPGQMYQVLAEAG-----ELGEASP-----PLNHIHGAHY-CGDG 1118
DB 464 ----GTSLKYECPREYGRPSITCLDNLVWSSPKDVCRRKSKCTPPDPVNGMVHVTDI 519
QY 1119 KVSERLGEBCDDGLVSGDGSCKVCELEGFNVGEPSLCYMEGDGICEPFEKTSIVD 1178
DB 520 QVGSIRINYSCTTGHRLIGHSSAE-----CILSGNTAHWSTKPRICQF-----IP 563
QY 1179 CG-----IYTPKGYLDQWATRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPD--- 1225
DB 564 CGLPPTIANGDFISTNRENHFYGSVVTYRCNLGSRGRKVFELVGP--SIYCTSNDDQVGI 622
QY 1226 -----LPNH-RPLTGWFPCVASENETODDRSEQPEGSLKKEDEVWLKVCENRGEA 1275
DB 623 WSGPAPQCIIPNKCTP-----PVENGLIVSDNRS--LFSLNEVEFRCPQGFVMKGP 674
QY 1276 RAIFILTTDGLVGEHQOPTVTLVLTVDVRSNHSLSGTGSLSCQHNPLINWTH---HQN 1332
DB 675 R-----VKCQALNKWEPELPSCSRV-----CQPPPEILHGEHTPSHQD 712
QY 1333 VLFHHTTSVLNFPSSPRVGISAVALTSSRICLSAPSNCSISEDEGQNHQOSCIH----- 1387
DB 713 -----NFSP-----GOEVFYSC--EPGYDLRGAASLHACTPRG 742
QY 1388 -----RPGCKQDSCPSLL--LDHADVNCTSGPGLMKCAITCQRPALQASSGQYIRPM 1440
DB 743 DWSPEAPRCAVKSCHDDFLQGLPHGRVLPPLNQLG-AKVSFVCDGEGFRLKSSSVSH---- 797
QY 1441 QKEILLTSSGHWQDQNS-CLPVDGCVPPDSLVNYANFSCSEG-TKFLKRCISISVCP--- 1495
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QY 1496 ---PAKLOGLSPWLITLED---GLWSLPEVYCKL-----ECDAPPIILANLLPHCLQ 1543
DB 854 RGMTFNLIGEST-IRCTSDPHNGWSSPAPRCELSVRAGHCKTPEQPPFASPTIP--IN 910
QY 1544 D-NHDVGTICKYECKPGYVAESAEGKYRNKLLKIQCLEGIWE--OGSCIPVCEPPPP 1600
DB 911 DFEFPVGTSLNVECRPGYF-----GKMFSISCLENLWMSVEDNCRKRS CGPPE 960
QY 1601 VPEGM-----YECTNGFSL-----DSQCVLNQNQEREXLPILCTKEGLMTQE 1642
DB 961 PFNGMVHINTDTQFGSTVWYNSCNEGFRLLGSPSTTCLVSGNNV-----TWDK 1008
QY 1643 FKLCENLQCEPPPPSELNS-----VEYKCEQGYG----- 1672
DB 1009 APICEIT--SCEPPPTISNGDFYSNNRISFHNGTVVTYQCHTGPDGEQLFELVGERSIYC 1066
QY 1673 -----IGAVCSP-----LCVIPP-SDPVMLENIT---ADTLEHMEP---VKV 1709
DB 1067 TSKDDQVGWSSPPPRCISTNKCTAPEVNAIRVPGNRSFFSLTEIIRRCQGFVMVGS 1126
QY 1710 QSIVCTGRQWHPDVLVHCIOQCEP 1735
DB 1127 HTVQCQTNGRW--GPKLPHCSRVCP 1150
RESULT 15
5472939-6
Patent No. 5472939
APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.
TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
MEDIATED DISORDERS
NUMBER OF SEQUENCES: 30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138,825
FILING DATE: 19-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 588,128
FILING DATE: 24-SEP-1990
APPLICATION NUMBER: 412,745
FILING DATE: 26-SEP-1989
APPLICATION NUMBER: 332,865
FILING DATE: 03-APR-1989
APPLICATION NUMBER: 176,532
FILING DATE: 01-APR-1988
SEQ ID NO:6:
LENGTH: 1466
5472939-6
Query Match 2.9%; Score 283; DB 6; Length 1466;
Best Local Similarity 19.5%; Pred. No. 1.4e-14;
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;
QY 602 HPLTGYDGDCLQGRCYSWNRDGLC-HVECNMMLNDFDDGCCDPQVADVKTCTCFDPD 660
DB 83 HRLIGHSSAECILSGNAHAWSTKPRICQRIPCG-----LPPTIA----- 121
QY 661 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPDKDAVTHLGIVLSPA 720
DB 122 -----NGDFISTNRENF-----HYGSVV---T 140
QY 721 YYGMPGHTDTMHEVGHVGLY-----HVKGVSERESCNDPCKETVPSMETGDLCA 772
DB 141 YRCNPGSGGRKVFELVGEPSIYCTSNDDQVIGWSGAPQ--CIIPNKCTPPNVENGILVS 198
QY 773 DTAPT-----PKSELCR---EPEPTSDTCGFTFRPGAPFTNYMSYT 810
DB 199 DNRSLFSLNEVEFRCPQGFVMKGPARRVKCQALNKWEPELPSCSRVCQP--PPDVLHAERT 257
QY 811 DDNCTDNFTPNQVARMHCYLDLVYQQWTESRKPTPIPIPPMVIQOTNKSLLTIHMLPPISG 870

Db 258 QRD-KDNFSGQEVFYSC-----EPG----- 277
QY 871 VVYD-RASGLCGACTEDGTFRQYVHTASRRVCDSSGYWTPPEAVGPPD-----VDQP 923
Db 278 --YDLRGASM--RCTPQGDWSPAAPTCEYKSCDDFMQOLLNGRAVLFPVNLQLGAKVDFV 333
QY 924 CEPSLQAWSPEVHLHYMMNTVPCPTEGCSIELLFQHPVQADTLTLWTSFEMESSQVLPD 983
Db 334 CDEGFQ-----LKGSSA---SYCVLAGMESLWNSVFPV-CEQIFCP 370
QY 984 TEILLENKESVHLG-PLDTF-----CDIPLTIKLHVDGKVGKVTYFDERIEIDA 1033
Db 371 SPVVI PNGR--HTGKPLEVFPFGKAVNYTCD-----PHPDRTS-----FD-LIGEST 415
QY 1034 ALLTSQPH-----SPL-----CSGCRPVRYQVLRDPPFASGLPVVVTTHSHRKFTDV 1079
Db 416 IRCTSDPQNGVWSSPAPRCGILGHCAQDPDHFLLFAKLKTQTNASDFPI----- 463
QY 1080 EVTPGQMYQVLAAG-----ELGEASP-----PLNHIHAPY-CGDG 1118
Db 464 ---GTSLKYEGRPEYYGRPSITCLDNLVWSSPKDVCKRKSCKTPDPVNGMVHVTDI 519
QY 1119 KVSERLGECDGDLVSGDGSKVCELEBGFNCVGEPSLCYMYEGDICEPFERKTSIVD 1178
Db 520 QVGSRIWYSCCTGHRLLIGHSSAE-----CILSGNTAHWSTKPIQOR-----IP 563
QY 1179 CG-----ITYPKGYLDQWATRAYSHEDKKCPVSLVTGEPHSLICTSYHPD--- 1225
Db 564 CGLPPTIANGDFISTNRENFHYGSVVTRCNLGSRGKVFELVGP-SIYCTSNDDQVGI 622
QY 1226 -----LENNH-RPLTGWFPCVASENETQDDRSEQPEGSLKKEDEVWLKVCFNRPGEA 1275
Db 623 WSGPAPQCIIPNKCTP-----PNEVENGILVSDNRS--LFSLEVEVEFRQCPGFVMKGPR 674
QY 1276 RAIFIFLTGDLVPGEHQOPTVTLVLTVDVRSNHSLSGTYGSLCQHNPLINVTH--HQN 1332
Db 675 R-----VKQALNKMEPELPSCSRV-----CQPPPEILHGEHTPSHQD 712
QY 1333 VLFHHTTSVLNFSSPRVGISAVALTSSRIGLSAPSNICISEDEQNHQOSCIH----- 1387
Db 713 -----NFSF-----GQEVFYSC--EPGYDLRGAASLHCTPRG 742
QY 1388 ----RPGGQDSCPSLL--LDHADVYNCTSIGFGLMKCAITCQGFALQASSGQYIRPM 1440
Db 743 DWSPEARCAVKSDDFLGQLPHGRVLPFPLNLQLG-AKVSFVCDEGFRLKSSSVSH--- 797
QY 1441 QKEILLTCSGHWPDQWVS-CLPVDGCVDPSPSLVNYANFSCSEG-TRFLKRCISISVCP--- 1495
Db 798 ---CVLVGMRSLLMNNNSVPVCEHIFCPNP--PAILNGRHGTGPSGDIPYGKEISYTCDPHPD 853
QY 1496 ---PAKLOGLSPWLTCLED---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLQ 1543
Db 854 RGMTFNLIGEST-IRCTSDPHNGVWSSPAPRCELSVRAGHCKTPEQFPFASPTIP--IN 910
QY 1544 D-NHDVGTTCYECKEPGYVAESAEGKVNKLKIQCLEGGIWE--QSSCIPVCEPPPP 1600
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QY 1601 VFEGM-----YECTNGPSL---DSQCVLNCNOEREKLPILCTKEGLWTQE 1642
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Db 1009 APICEIL--SCEPPPTISNGDFYSNNRTSFHNGTAVTYYQCHTGPDEQLFELVGERSIYC 1066
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Db 1067 TSKDDQVGWSSPPPRCISTNKCTAPEVENAIRVGNRSFFSLTEIRFRQCPGFVMVGS 1126
QY 1710 QSI VCTGRQWHPDPVLVHCIOGCEP 1735

Db 1127 HTVQCQTNGRW--GPKLPHCSRVQCP 1150

Search completed: January 30, 2006, 15:26:17
Job time : 42.7393 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:15:48 ; Search time 20.3219 Seconds
(without alignments)
954.383 Million cell updates/sec

Title: US-09-983-025B-2
Perfect score: 9856
Sequence: 1 MMCLKIRISLAILAGWALC.....AADCDLDECTCRDPKAEENQ 1791

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 75621 seqs, 10829074 residues

Total number of hits satisfying chosen parameters: 75621

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3916.5	39.7	1627	6	US-10-821-234-1283 Sequence 1283, App
2	332.5	3.4	3568	6	US-10-453-372-194 Sequence 194, App
3	332.5	3.4	3570	6	US-10-453-372-178 Sequence 178, App
4	332.5	3.4	3570	6	US-10-453-372-196 Sequence 196, App
5	332.5	3.4	3570	6	US-10-453-372-198 Sequence 198, App
6	332.5	3.4	3570	6	US-10-453-372-200 Sequence 200, App
7	332.5	3.4	3570	6	US-10-453-372-204 Sequence 204, App
8	332.5	3.4	3570	6	US-10-453-372-206 Sequence 206, App
9	331.5	3.4	3570	6	US-10-453-372-202 Sequence 202, App
10	287	2.9	2048	7	US-11-116-939-6 Sequence 6, Appli
11	282.5	2.9	1574	6	US-10-055-877-211 Sequence 211, App
12	278.5	2.8	2050	6	US-10-453-372-192 Sequence 192, App
13	259	2.6	868	6	US-10-995-561-792 Sequence 792, App
14	253.5	2.6	790	6	US-10-995-561-955 Sequence 955, App
15	253.5	2.6	830	6	US-10-995-561-957 Sequence 957, App
16	253.5	2.6	830	6	US-10-995-561-958 Sequence 958, App
17	249	2.5	1033	6	US-10-921-415-1 Sequence 1, Appli
18	247	2.5	3567	6	US-10-453-372-1112 Sequence 1112, Ap
19	241	2.4	3483	6	US-10-453-372-40 Sequence 40, Appl
20	240.5	2.4	3104	6	US-10-453-372-34 Sequence 34, Appl
21	240.5	2.4	3104	6	US-10-453-372-62 Sequence 62, Appl
22	240.5	2.4	3104	6	US-10-453-372-64 Sequence 64, Appl
23	240.5	2.4	3546	6	US-10-453-372-32 Sequence 32, Appl
24	236.5	2.4	3130	6	US-10-453-372-42 Sequence 42, Appl
25	235	2.4	2612	6	US-10-453-372-38 Sequence 38, Appl

26	230.5	2.3	610	7	US-11-043-788-30	Sequence 30, Appl
27	229.5	2.3	1664	6	US-10-055-877-212	Sequence 212, App
28	228.5	2.3	406	6	US-10-453-372-188	Sequence 188, App
29	225	2.3	1400	6	US-10-821-234-1045	Sequence 1045, App
30	224	2.3	1620	6	US-10-055-877-213	Sequence 213, App
31	223	2.3	768	6	US-10-995-561-956	Sequence 956, App
32	218.5	2.2	1025	6	US-10-921-415-5	Sequence 5, Appli
33	218	2.2	2669	6	US-10-453-372-36	Sequence 36, Appl
34	215.5	2.2	380	7	US-11-116-939-2	Sequence 2, Appli
35	215	2.2	381	6	US-10-821-234-1342	Sequence 1342, Ap
36	212.5	2.2	810	6	US-10-453-372-1116	Sequence 1116, Ap
37	210	2.1	1620	6	US-10-453-372-868	Sequence 868, App
38	209.5	2.1	884	6	US-10-453-372-58	Sequence 58, Appl
39	207	2.1	882	6	US-10-453-372-60	Sequence 60, Appl
40	206	2.1	344	6	US-10-453-372-190	Sequence 190, App
41	206	2.1	1403	6	US-10-055-877-52	Sequence 52, Appl
42	206	2.1	1403	6	US-10-453-372-878	Sequence 878, App
43	201.5	2.0	1577	6	US-10-055-877-54	Sequence 54, Appl
44	201.5	2.0	1577	6	US-10-453-372-882	Sequence 882, App
45	201.5	2.0	1577	6	US-10-453-372-884	Sequence 884, App

ALIGNMENTS

RESULT 1
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-821-234-1283

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DB	80	REARGATEEPSPPSRALYFSGRGQLRLRADL--ELPRDAFTLQVWLRABGGQSPAVI	137
QY	306	AGVFDNCSTHTVSDKMGALGIRGDKGRDARFFSLCTDRVKKATILISHSRYPGTWT	365
DB	138	TGLYDKCSYISRDGRVWGHTISDQNDKPRYFFSLKTDRAQVTTINAHRSYLPQWV	197
QY	366	HVAATYDGRHMAIYVDTQVASSLDQSGPLNSPFWASCRSLLGDSSEGHYFRHLGT	425
DB	198	YLAATYDQFMKLYVNGAQTATSGEQVCGIFSPLTQCKVLMGG--SALNNHYRGYIEH	255
QY	426	LVEFWSTALPQSHFQHSQHSQSGEEATDVLVTASFEPVNTWVPFRDEKYPRLFV--LQG	483
DB	256	FSIMKVAARTQREILSDMETGHAHTALPQLLQENWMDNVKAWSPMKDSSPKVEFSNARG	315
QY	484	FEPEPEILSPLQPLCGQTVCDNVELISQYNGYWPPLRGEKYIRYOVNVCDEGLNPIVS	543
DB	316	FLUD---TSLERPPLCGQTLCDNTEVIASYNQLSSFRQPKVVRVYRVNLYEDDHKNPIYT	371
QY	544	EEQIRLOHEALNEAFSRYNISWQLSVHGVHNSTLRHRVVLVNCEPSKIGNDHCDPECEHP	603

Db 372 REQVDFQHQLAEAFKQYNISWELDYLEVSNSSLRRLLILANDISKIGDENCDCPECNHT 431
Qy 604 LTGYDGDGR-LQGRCYSMNRDGLCHVECNMNLNPDGDDCCDQVADVRKTCFDPDSP 662
Db 432 LTGHDGDCRHLRHPAFVKQKHNVCDMCONYERFNFDDGECDCDPEITNTVQTCFDPDSP 491
Qy 663 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDKAVTHLGGIVLSPAYY 722
Db 492 HRAYLDVNEILKNILKLDGSTHLNIFFAKXSEELAGVATWPMWKEALMHLGGIVLNPSEY 551
Qy 723 GMPGHTDTMIHEVGHVLGLYHVFKEVGERESCNDCPKETVPSMETGDLCADTAPTPKSEL 782
Db 552 GMPGHTDTMIHEIGHSLGLYHVFKEVGERESCSDCPCMETEBSFETGDLCDNTNPAKHKX 611
Qy 783 CREPEPTSDTCGTRFPGAPFTNYMSTDDNCTDNFTPNQVARMHCYLDLVYQWTESRK 842
Db 612 CGDPGPGNDTCGFHSFENTPYNNFMSYADDDCTDSFTPNQVARMHCYLDLVYQWQPSRK 671
Qy 843 PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTERQYVHTASSRRV 902
Db 672 PAPVALAPVLTGHTTDSVTLWEFPLDGHFFERELGSACHLCLEGRILVQYASNASSPMP 731
Qy 903 CDSGYWTEBEAVGPPVDQPCERPSQAMSPVHLHYHMMNTVPCP-TEGCSLELLFQHPV 961
Db 732 CSPSGHWSPREAEGHPDVEQPCKS SVRTMSFNSAVNPHTVPACBPBQGCYLELEFLYPL 791
Qy 962 QADTLTLWVT--SFMESSQVLFDFTEILLENKESVHLGLPDTFCDIPLTIKL-HVDGKVS 1018
Db 792 VPESLTIWTVFSTWDDSSGAVNDIKLAVSGKNISLGPQNVFCVPLTIRLMDVGEEVY 851
Qy 1019 GVKVYTFDERIEIDALLTSQPHSP.LCSGCRPVRYQVLRDPRFASGLPVVTHSHRKFTD 1078
Db 852 GIQIYTLDEHLEIDAAMLTSTADTPLCQCKPLKYKVRDRPLQMDVASIL-HLNRKFVD 910
Qy 1079 VEVTPGQMUYQVLAEGELGEASPRLNHIGAPYCGDGKVSERLGEBCDDGDLVSGDG 1138
Db 911 MDLNLGSYQYWVITISGTEESESPBAVYIIGHRGYCGDGIQKQGEQCDDMNKINGDG 970
Qy 1139 CSKVCLEBEGFNCVGEPSLCYMEGDCICEPERKTSIVDCGIYTPKGYLDQWATRAYSS 1198
Db 971 CSLFCRQEVSNCTIDEPSRCYFHDGVCSEFEQKTSIKDCGVYTPQGFLDQWASNASVS 1030
Qy 1199 HEDKKCPVSLVTGER-HSLICTSYHBDLPNHRPLTGMFPCVASENETQDDRSEQPEGSL 1257
Db 1031 HQD-QQCPGVYIIGQPAASQVCRKTVIDLSEGISQHAMYPCTISYPYSQ----- 1078
Qy 1258 KKEDVWLKVCFNRPGEARAFIFILTTDGLVPEGHQOPTVTLVLTDVKGSNHS�TYGLS 1317
Db 1079 LAQTFWLRAYFSQPMVAAVIVHLVTDGTYYGDKQETISVQLDTRKQSHDLGLHVL 1138
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Qy 1378 QNHQGSQCIHRPCGKQDSCPSLLLDHADVNTSTI---GPGIMKCAITCQRGFALQASS 1433
Db 1198 YSPAQSCVHFACEKTD-CPELAVENAS-INCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252
Qy 1434 GQYIRPMQ--KEILLTSSGHWDQNVSCIPVDCGVDPDPSLVNRYANFSCSEGTFLKRCST 1491
Db 1253 DDELKSGQGPSVTVCTEGKWNKQVAFBVDCSI.PDHQVYAASFCSPEGTTFGSQCSF 1312
Qy 1492 SCVPRAKLOGLSFMLTCLLEDGLWSLPEVYCKLECDARPIILNANLLPHCLQDNHVGTI 1551
Db 1313 QCRHPAOLKGNNSLLTCEMEDGLMSFREALCELMCLARPPVPNADLO.TARCRENKHKVGSF 1372
Qy 1552 CKYECKPGYVAASABGVNRNKLKIQCLEGGIWEQSGCIPVVCPEPPPVFEEMTECTNG 1611
Db 1373 CKYKCKPGYHVPSSSR-KSKKRAFKTQCTQDGSWQEGACVPVTCDPBPBPKFHGLYQCTNG 1431
Qy 1612 FSLDSQCVLNC-----NQEREKLPILCTKEGLMTQEPKLCENTLOGECPBPPELSNS-VEY 1665

Db 1432 PQFNSECRICKEDSDASQIGSNVIHCRKDGWTNGSFHVQCEMQQC-SVPNELNSNLKL 1490
Qy 1666 KCEQYGIGAVCSPLCVIPBSPDEVMLPENITADTLEHMEPVKVQSI VCTGRROWHPDPV 1725
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDIPHWLNPTREVERVCTAGLKWYPHPA 1550
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Qy 1785 PKAEEN 1790
Db 1611 PQAQEH 1616

RESULT 2
US-10-453-372-194
; Sequence 194, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Aleobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR APPLICATION NUMBER: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 194
; LENGTH: 3568
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-194

Query Match 3.4%; Score 332.5; DB 6; Length 3568;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

Qy 286 AFTVEAMVWKEGGQNNPAIAGVFDCNSHT---VSD-KGVALGIRSGKDKGRDARFFFS 341
Db 1447 ALTCTFWMKSSDDMNYGTPRISAVDNGSDNTLLTLDYNGWVLYV-NGREK----- 1495
Qy 342 LCTDRVKKATILISHSRYPQGTWTHVAATY--DGRHMALYVD-----GTQVASSLDQ 391
Db 1496 -----ITNCPSVNDGRMWHIAITWTSTGAMRYIINGELSDGGTGLSIGKALFG 1544
Qy 392 SGPLNSPFMASCRSLLLGDSSEDGHYFR-----GHGLTVFWSTAL-PQSHFQHSQH 444
Db 1545 GG-----ALVLTQEDQDKGEGFNPAESFVGSISQNLMDYVLSPO--QVKSILA 1590
Qy 445 SSGEEBATDVLVTASFEPVNTWVWFR-----DEK-----YPRL----- 478
Db 1591 TSCPEELSKGNVLA-----WPDFLSGIVGKVKIDSKSIFCSDCPRLGGSVPHLRTAS 1642

QY 479 EVLQ-----GF-----EERP---EILSPLQPL----- 498
Db 1643 EDLKPGSKVNLFCPEPGLVGNPVQYCLNOGQMTQPLPHCERIRCGVPPPLNGFHSADD 1702
QY 499 --CGQTV---CDNVELISQYNGYMPLRGKEKVIROYVNICDDEGLNPVSEEQIRLQHEA 553
Db 1703 FYAGSTVTYQCN-----NGYYLLGDSRM-----FCTDNGSWNGVSPSCLDVDECA 1747
QY 554 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE---HPLTGY 607
Db 1748 VGSDCSEH-----ASCLNVDS-----YICSCVPPTYGDGKNCAEPICKKAPGNPENGH 1796
QY 608 DGGDCRLQG-----RCYSWNRDGLCHVEC-----NNMLNDFDGDCCDPQVADVRKTC 656
Db 1797 SSGEITYTGAEVTFSCQEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC 1844
QY 657 FDPDSPKRAYMSVKELKEALQLNSTHFLNTYFASSVREDLAGAATWPDKDAVTHLGIV 716
Db 1845 GKPAIPENG--CIEELAFTEGSKVTYRCNKGYTLADGKESSCLANSSWSHSP-----V 1896
QY 717 LSPAYYGMPGHTDTMIHEGVHLGLYHVFKYSERESCNDPCKETVPSMETGDLCADTA- 775
Db 1897 CEPVKCSSPENIN-----GKY-ILSGLYLSTASYS-CTGYSIQGPSIIECTAS 1945
QY 776 -----PTPKSELCREPEPTSDTC-----GFTFRPGAPFTNYMSYTDNCTDNFTPNQVA 824
Db 1946 GIWDRAPACHLVFCGEPPAIKDAVITGNFT-----FRNTVTYT--CKEGYTLAGLD 1996
QY 825 RMHCYLDLVQQWTERSK--PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGLC 881
Db 1997 TIECLAD--GKMSRSDQQCLAVSCDEPPIVDHASPE--TAH-----RLFGDIA 2040
QY 882 GACTEDGTFRQYVHTASSRVCDSGQWTPREAVGPPD-VDQPCF--PSLOAWSPEVHLV 938
Db 2041 FYYCSDG-----YSLADNSQLCNAQSKVPRPEGODMPCRIAHFCEKPPSVS-----Y 2088
QY 939 HNMNTVPCPTEGCSLELLFOHPVQADTILMTVSFFMESSQVLFDTLELLE-----NK 991
Db 2089 SI-----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGQWNP 2131
QY 992 ESVHLGLDPTFCDIPLTIKLVHGKVSQVYTFDERI-----EIDALLTS 1038
Db 2132 SPMSIQCIYVRCGEPPSI--MNGYASGSN-YSPGAMVAYSCKNGFYIKGEKSTCEATG 2187
QY 1039 QPHSPLCSGCRPRYQVLRDPPFASGLPVVYTHSHRKFTDVEVTPGQWYQVLAEGAE 1098
Db 2188 QWSSPIPT-CHPV-----SCGEPRKXENG-LEHTTGRIFESEVRYQCNPG 2231
QY 1099 LGEASPL-----NHIHG-APY-----CG-----DGKYSERLGEBCDDGD 1132
Db 2232 YKSVGSPVPCQANRHMHSBPLMCVPLDCKGPPRIQNGFMKGENFEYGSKVQFPCNEGY 2291
QY 1133 LVSGDCSKVCELEEGFNCVGEPSLCYMYEGDICEPFE-----RKTIVDCG 1180
Db 2292 ELVGD-SWTCQKSGKWNKSNPK-----CMPAKCPEPRLLENQVLKELTTEVG 2340
QY 1181 IYT--PKGYL-----DOWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPD 1225
Db 2341 VVTFSCKEGHVLQGPSVLKCLPSQW-----NDSFPVCKIIVLCTPPP---LISFGVP 2389
QY 1226 LPN---HRPLTGMFPVCVAS---ENETODDRSEQPEGSLKKEDEVW---LKVCFNRGGEA 1275
Db 2390 IPSSALHFGSTVKYSCVGGFLLRGNST-----TLQPDGTWSSPLPEC----- 2432
QY 1276 RAIFILTLTDGLVPEHQOP-TVTLVYLDVVRGSNHSLSGTYGSLCQHN-PLIINVT---H 1329
Db 2433 -----VPVECPQPEIIPNGIIVQGLAY-LSTALYTCKPGFELVGNTTTLGGE 2479
QY 1330 HQNVLFHHTTSLVLLNFSSPRVGISAVALRTSSRIGLSAPSNCTSEDEGQNHQGS---CI 1386
Db 2480 NGHMLGGKPTCKAIECLKPKIILNGKSYTDLHYGQTVTYS-NGFRLEGPSALTCL 2536

QY 1387 HRPCKQD-SCPSLLDHDVNCSTIGP---GLMKA-----ITCORGFAQASS 1433
Db 2537 E--TGDWDVDAPS-----CNAIHCDSPQPIENGFEVGADYSYGAIIITYSCFPFQVAGHA 2589
QY 1434 GQYIRPMQKEILLTCSSGHWQNV-SCLPVDGVP-----DPS 1470
Db 2590 MQ-----TCEESGWSSSIPTCMPIIDCGLPRIHDFGDCTKLKDDQGYFEQEDDM 2638
QY 1471 LVNY-----ANFSCSEGTK-----FL-KRCSISCVPPAKLQGLSPWLTC 1509
Db 2639 EVPYTPHPYHLGAVAKTWEENTKESPAHSSNFLYGTWVSYTCNPGYELLG-NPVLICQ 2697
QY 1510 EDGLMSLPEVYC-KLECDAPPIILNANLILPHCLQDNHDVGTICKYECKPGYVAESAEG 1568
Db 2698 EDGTWNGSAPSCISIECDLPTAPENGFLRFTET-----SMGSAYQYSCKPGHILAGSD-- 2750
QY 1569 KVRNKLKIQCLEGGIWEQGS--CIPVCEPPRPVFE-----MYECTNGFS 1613
Db 2751 -----LRL-CLENRKMSGASPRCEAISCKKPNPVMNGSIKSNYTYLSTLYECDPGY- 2802
QY 1614 LDSQCVLNCNDEREKLPILTKEGLWTQEFKLCENLQEGCPPPSELN----- 1661
Db 2803 -----VLNGTERR-----TCQDDKXWDEDEPIC--IPVDCSSPVSANGQVRGDEYTFQK 2850
QY 1662 SVEYKCEQY-----GIGAVCSPL-CVIPPSPVMLPENITADTLEHW 1703
Db 2851 EIEYTCNEGFLLEGARSVCLANGWSGATPPDCVPVRCATPP---QLANGVTEGLDYGF 2906
QY 1704 MEPVK-----VQSIVCTGRQWHPDPVLVHICQSCP 1735
Db 2907 MKEVTFHCHGYILHGAPKLTQSGDNWDAE-----IPLCKP 2943

RESULT 3
US-10-453-372-178
; Sequence 178, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
; SEQ ID NO 178
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-178

Query Match 3.4%; Score 332.5; DB 6; Length 3570;

		Best Local Similarity 19.7%; Pred. No. 3.7e-17;		Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;	
QY	286	AFTVEAMVKPEGQNNPAIIAGVFNCSHT---VSD-KGMALGIRSGDKGRDARFFFS	341		
Db	1449	ALTCTFWMKSSDDMNYGTPISYAVNDSNTLLITDYNQWVLYV-NGREK-----	1497		
QY	342	LCTDRVKKATILISHSRYPQGTWHAATY--DGRHMAIYD-----GTQVASSLDQ	391		
Db	1498	-----ITNCPSVNDGRWHIAITWTSTGAMRVYINGELSDGCTGLSIGKAIPG	1546		
QY	392	SGPLNSPFMASCRSLLLGDSSEDGHYR-----GLGLTFWSTAL-POSHFOHSSQH	444		
Db	1547	GG-----ALVLGOEQDKGEGFNPAESFVGSISQNLMDVYVLSPO---QVKSLA	1592		
QY	445	SSGEEBATDLVLTASFEPVNTIEWPFR-----DEK-----YPRL-----	478		
Db	1593	TSCPEELSKGNVLA-----WPDFLSGIVGKVKIDSKSIFCSDCPRLGGSVPHLRTAS	1644		
QY	479	EVVLQ-----GF-----EPEP---ELSLPLOPL-----	498		
Db	1645	EDLKPGSKVNLFCBEPGFOLVGNPVQYCLNQGQWTOPLPHCERIRCGVPPPLENGFHSADD	1704		
QY	499	--CGQTY---CDNVELISQYNGWPLRGEKVIRYQVNICDDEGLNPVSEQIRLOHEA	553		
Db	1705	FYAGSTVTYQCN-----NGYYLGDSRM-----FCTDNGSWNGVSPSCLDVDECA	1749		
QY	554	LNEAFSRYNISWQLSVHQVHNSTLRHVVLVNCERPSKIKN-DHC-DP-ECE--HPLTGY	607		
Db	1750	VGSDCSEH-----ASCLNVDGS-----YICSCVPPTYGDGKNCAPFKCKAPGNPENGH	1798		
QY	608	DGDCRRLQG-----RCYSWNRDGLCHVEC-----NNMLNDFDDGCCDPQVADVRKTC	656		
Db	1799	SSGEIATVGALEVTFSQOEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC	1846		
QY	657	FDPDSPKRAYMSVKELKALQLNSTHPLNIYPASSVREDLAGAATWPMWDKAVTHLGIV	716		
Db	1847	GKPAIPENG--CIBELAFTEGSKVITYRCNKGYTLLAGDKESSCLANSSWSHSP-----V	1898		
QY	717	LSPAYGMPGHTDTMIHEGVHGLYHVFKGVSERESCNDPCKETVPSPMETGDLCADTA-	775		
Db	1899	CEPVKCSSPENINN-----GKY-ILSGLTYLSTASYS-C-DTGYSLQGPSIIECTAS	1947		
QY	776	-----PTPKSELCREPEPTSDTC---GFTREPGAFTNWSYTDNCTDNFTPNQVA	824		
Db	1948	GIWDRAPPACHLVFCGEPRAIKDAVITGNFT-----FRNTVITYT---CKEGYTLAGLD	1998		
QY	825	RMHCYLDLVYQQWTESRK--PTPIPIPMVIGQTINKSLTIHWLPIISGVVYDRASGLC	881		
Db	1999	TIECLAD---GKMSRSDQOCLAVSCDEBPPIVDHASPE--TAH-----RLFEDIA	2042		
QY	882	GACTEDGTFRQYVHTASSRRVCDSSGVTWPEEAVGPPD-VDQPCF--PSLQAWSPEVHLY	938		
Db	2043	FYYCSDG---YSLADNSQLLCNAQGWVPPEGQDMPRCIAHFCBKPPSVS-----Y	2090		
QY	939	HMMNTVPCFTEGCSLELLFOHPVQADTLTLWTSFFMESSQVLFDEILLE-----NK	991		
Db	2091	SI-----LESVSKAKFAAGS---VVSFKCMEGFVL-NTSAKITECMRGGQWNP	2133		
QY	992	ESVHLGPLDTECDIPLTIKLVHDGKVGKVTYFDERI-----EIDAALLTS	1038		
Db	2134	SPMSICTIPVRGGEPSI--MNGYASGSN-YSFGAMVAYSCNKGFYIKGEKSTCEATG	2189		
QY	1039	QPHSPLCSGCRPVRYQVLRDPPFASGLPVVYVTHSHRKFTDVEVTPGQMYQYQVLAEAGE	1098		
Db	2190	QWSSPIPT-CHPV-----SCGEPPKVENGF-----LEHTTGRIFESEVRYQCNP	2233		
QY	1099	LGEASPL-----NHIHG-APY-----CG-----DGKYSERLGEECDGD	1132		
Db	2234	YKSVGSFVFVCOANRHHWSESPLMCVPLDCKGKPPRIQNGFMKENFEVGSKVQFFCNEGY	2293		
QY	1133	LVSQDGSKVCELEEGFNCVGEPSLCYMEBGDICEPFE-----RKTSTVDCG	1180		

Db	2294	ELVGD-SWTCQKSGKWNKSNPK-----CMPAKCEPPLLENQLVKELTTEVG	2342		
QY	1181	IYT---PKGYL-----DQWATRAYSHEDKKCPVSLVTGEPHSLICTSYHPD	1225		
Db	2343	VYTFSCKEGHVLQGPSVLKCLPSQOW-----NDSFPVCKIVLCTPRP---LISFGVP	2391		
QY	1226	LPN---HRPLTGMFPCVAS-----ENETQDRSEQPEGSLKKEDEWV---LKVCFNRPGEA	1275		
Db	2392	IPSSALHFGSTVKYSCVGFELRGNST-----TLCQPDGTWSSPLPEC-----	2434		
QY	1276	RAIFIFLTTDGLVPGEHQDP-TVTLVYLTDVGRGSNHSLGTYGLSCQHN-PLIINV-----H	1329		
Db	2435	-----VPVECPQPEBEIPNGIIDVOGLAY-LSIALYTCRPFELVGNTTTLGGE	2481		
QY	1330	HQNVLFHHTSVLLNFSSPRVGISAVALRTSSRIGLSAPSNCSISEGQNHQGS---CI	1386		
Db	2482	NGHWLGKPTCKAIECLKPKKILNGKFSYTDLHYGQTVTYSC--NRGFRLEGPSALTCL	2538		
QY	1387	HRPGKQD-SCPSLLLDHADVNVNCTSIGP--GLMKCA-----ITCQRFALQASS	1433		
Db	2539	E--TGDWDVDAPS-----CNAIHCDSPQPIENGFEVGEADYSYGAIIYSCFPGFQVAGHA	2591		
QY	1434	GQYIRPMQKEILLTCCSGHWDQNV-SCLPVDGVP-----DPS	1470		
Db	2592	MQ-----TCEESGSSSIPTCMPIDCGLRPHIDFGDCTKLKDDQGYFEQEDMM	2640		
QY	1471	LVNY-----ANFSCSGTK-----FL--KRCSISCVPPAKLOGLSPMLTCL	1509		
Db	2641	EVPYVTPHPRYHLGAVAKTMENTKESPATHSSNFLYGTWVSYTCNPGYELG-NPVLICQ	2699		
QY	1510	EDGIMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGYVABSAEG	1568		
Db	2700	EDGTWNGSAPSCISIECDLPTAPENGFLRFET-----SMGSAVOYSCKPGHILAGSD--	2752		
QY	1569	KVRNKLKIQCLEGIWEGS--CIPVCEPPRPVFEG-----MYECTNGFS	1613		
Db	2753	-----LRL-CLENRKWSGASPRCEAISCKKPNPVNWSIKGSNTYTLSTLYYECDPGY-	2804		
QY	1614	LDQCVLNQNQEREKLPILCTKEGLWTQEFKLCENLQGECPPPPSSELN-----	1661		
Db	2805	-----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPPVSANGQVRGDEYFQK	2852		
QY	1662	SVEYKCEQY-----GIGAVCSPL-CVIPPSPVMLPENITADTLEHW	1703		
Db	2853	EIEYTCNEGFLLEGARSVCLANGSWSGATPDCVPVRCATRP---QLANGVTEGLDYGF	2908		
QY	1704	MEPVK-----VQSIYCTGRQWHPDPVLVHCIOSCEP	1735		
Db	2909	MKEVTFHCHEGYTLHGAPKLTQSDGNWDAE-----IPLCKP	2945		
RESULT 4					
US-10-453-372-196					
; Sequence 196, Application US/10453372					
; Publication No. US20060003323A1					
; GENERAL INFORMATION:					
; APPLICANT: Alsobrook, et al.					
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD					
; FILE REFERENCE: 21402-589 A					
; CURRENT APPLICATION NUMBER: US/10/453,372					
; CURRENT FILING DATE: 2003-06-03					
; PRIOR APPLICATION NUMBER: 09/789390					
; PRIOR FILING DATE: 2001-02-23					
; PRIOR APPLICATION NUMBER: 60/185967					
; PRIOR FILING DATE: 2000-03-01					
; PRIOR APPLICATION NUMBER: 09/823187					
; PRIOR FILING DATE: 2001-03-29					
; PRIOR APPLICATION NUMBER: 60/195792					
; PRIOR FILING DATE: 2000-03-10					
; PRIOR APPLICATION NUMBER: 09/839446					
; PRIOR FILING DATE: 2001-03-19					
; PRIOR APPLICATION NUMBER: 60/199476					
; PRIOR FILING DATE: 2000-03-25					

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; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 196
; LENGTH: 3570
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-453-372-196

Query Match      3.4%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY 286 AFTVEAMVKEGGQNNPAIIAGVFDNCST---VSD-KGVALGIRSGDKGKRDARFFFS 341
DB 1449 ALTCTFMKSSDDMNYGTPISYAVDNGSDNTLLTLDYNGWLVYV-NGREK----- 1497

QY 342 LCTDRVKKATILISHSRYPGTWTHVAATY--DGRHMAIYVD-----GTQVASSLDQ 391
DB 1498 ---ITNCPSPVNDGRWHHIAITWTSTGAMRVYINGELSDGTGLSIGKAIPIG 1546

QY 392 SGBPLNSPFMASGRSLLLGGDSSEDEGHYFR-----GHLGTLVFWSTAL-PQSHFOHSSQH 444
DB 1547 GG-----ALVLGOBQDKKGEFNPABSFVGSISQNLNMDYVLSPO--QVKSLA 1592

QY 445 SSGBEATDLVLTASFEPVNTWVFR-----DEK-----YPRL----- 478
DB 1593 TSCPEELSKGNVLA-----WPDFLGIYGVKVIDSKSIFCSDCPRLGGSVPHLRTAS 1644

QY 479 EVLQ-----GF-----EPEP---EILSPLOPPL----- 498
DB 1645 EDLKPGRKYNLFCEPFGQLVGNPVOYCLNQGQWTQPLPHCERIRCGVPPPLENGFHSADD 1704

QY 499 --CGQTV---CDNVELISQNGYWPRLRGEKVIYQVNVNICDEGLNPVSEBQIRLQHEA 553
DB 1705 FYAGSTVYQCN-----NGYVLLGDSRM-----FCTDNGSMNGVSPSCLDVDECA 1749

QY 554 LNEAFSRVNIWQLSVHQVHNSTLRHRVVLVNCERSKIGN-DHC-DE-BCE---HPLTGY 607
DB 1750 VG$DCSEH-----ASCLNVDS-----YICSCVPPYTGDKNCAEPICKCAPNPENGH 1798

QY 608 DGGDCRLOG-----RCYSWNRDGLCHVEG-----NNMLNDFDGDCCDPQVADVKTG 656
DB 1799 SSGEITYVGAEVTFSCQEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC 1846

QY 657 FDDPSPKAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMKDAVTHLGIV 716
DB 1847 GKPAIPENG--CIEELAFTFGSKVTRCNKGYTLAAGDKESSCLANSSWSHSP-----V 1898

QY 717 LSPAYYGMGHTDTMIHEVGHVGLVHFKGVSERESCNDPCKEIVPSMETGDLCADTA- 775
DB 1899 CEPVKCSSPENINN-----GKY-ILSGLTYLSTASYSC-DTGYSLQGPSIIECTAS 1947

QY 776 -----PTPKSELCREPEPTSDTC-----GFTFRFGAPFTNYMSTYDNDCTDNFTPNQVA 824
DB 1948 GIMDRAPACHLVFCGEPRAIKDAVITGNNT-----FRNTVITYT---CKEGYTLAAGLD 1998

QY 825 RMHCYLDLVYQWTESRK--PTPIPIPPMWIGQTNKSLTIHMLPISGVVYDRASGLC 881
DB 1999 TIECLAD---GKWSRSDQOCLAVSCDEBPPIVDHASPE-TAH-----RLFEDIA 2042

QY 882 GACTEDGTFRQYVHTASSRRVCDSSGWTPEEAVGPPD-VDQPCF--PSLQAWSPEVHLTY 938
DB 2043 FYVCSDG-----YSLADNSQLTCNAQGMVNPREGQDMPRCIAHFCEKPPSVS-----Y 2090
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QY 939 HNMNTVPCPTGCSLELLFQHPVQADTLTLWVTSFFMESSQVLPFTEILLE-----NK 991
DB 2091 SI-----LESVSKAKFAAGS-----VVSFKCMGEFVL-NTSAKIECMRGQWNP 2133

QY 992 ESVHGLPLDTFCDIPLTIKLHVDGKVSQVYTFDERI-----EIDALLTS 1038
DB 2134 SPMSIQCIIPVRCGEPPSI--MNGYASGSN-YSPGAMVAYSCKNGFYIKGEKSTCEATG 2189

QY 1039 QPHSPLCSGGRPVRYQVLRDPPFASGLPVVYVTHSHRKFTDVEVTPGQMYQYVLAAGGE 1098
DB 2190 QWSSPIPT-CHPV-----SCGEPPKVENGF-----LEHTTGRIPESEVRYQCNP 2233

QY 1099 LGEASPPPL-----NHIHG-APY-----CG-----DGKYSERLGEECDGD 1132
DB 2234 YKSVGSFVFCQANRHWSESPLMVCVPLDCGKPPRIQNGFMKGNEFVGSKVQFFCNEGY 2293

QY 1133 LVSGDGSKVCELEEGFNVCVGEPSLCYMYEGDICEPFE-----RKTIVDCG 1180
DB 2294 ELVGDG-SWTCQKSGKMNKSNPK-----CMPAKCEPPLLENQVLKELTTEVG 2342

QY 1181 IYT---PKGYL-----DQWATRAYSHEDKKCPVSLVTGERPHSLICTSYHPD 1225
DB 2343 VVTFSCKEGHVLOGPSVLKCLPSQW-----NDSFPVCKIYLCITPPP---LISFGVP 2391

QY 1226 LPN--HRPLTGMFPVAVS---ENETQDDRSEQBPESLKEDEVW---LKVCFNRPGEA 1275
DB 2392 IPSSALHGSTVVKYSCVGGFFLRNGST-----TLQCPDGTWSSPLPEC----- 2434

QY 1276 RAIFIFLTDTGLVPEHQOP-TVTVLYLTDVRGSNHSIGTYGLSCQHN-PLIINVT---H 1329
DB 2435 -----VPVECPQPEEIPNGIIDVOGLAY-LSTALYTCKRPELVENTTTLGCE 2481

QY 1330 HQNVLFHHTSVLINFSSPRVGISAVALRTSSRIGLSAPSNCISEDEGNHOGOS---CI 1386
DB 2482 NGHWLGGKPTCKAIECLKPKIELNGKFSYTDLHYGQTVTYSC---NRGFRLEGPSALTCL 2538

QY 1387 HRPCGKD-SCPSLLLDHADVNCISIGP--GLMKA-----ITQRGFALQASS 1433
DB 2539 E--TGMDVDAPS-----CNAIHCDSPQFIENGFEVAGADYSYGAIIITYSCFPQVAGHA 2591

QY 1434 GQYIRPMQKEILLTSSGSHWDQV-SCLPVDGVP-----DPS 1470
DB 2592 MQ-----TCEESGWSSSIPTCMPITDCGLRPHIDFGDCTKLKDDQGYFEQEDDM 2640

QY 1471 LVNY-----ANFSCSEGTK-----FL--KRCSI SCVPRAKLOGLSPWLITCL 1509
DB 2641 EVPYVTPHPYHLGAVAKTWNTEKESPATHSSNFLYGTWVSTCNPGYELLG-NPVLICQ 2699

QY 1510 EDGLMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGYVAESAEG 1568
DB 2700 EDGTWNGSAPSICISIECDLPTAPENGFLRFET-----SMGSAVOYSCKPGHILAGSD-- 2752

QY 1569 KVRNKLKIQCLEGIWEQGS--CIPVCEPPPVFEG-----MYECTNGFS 1613
DB 2753 -----LRL-CLENRKWSGASPRCEAISCCKPNPVNNGSIKGSNTYTLSTLYECDPGY- 2804

QY 1614 LDSQCVLNCNQEREKLPILCTKEGLMTQEFKLCENLQGECPBPPESELN----- 1661
DB 2805 -----VLNGTERR-----TCQDDKNWDEDEPIC-IPVDCSSPPVASANGQVRGDEYTFQK 2852

QY 1662 SVEYKCEQGY-----GIGAVCSPL-CVILPSPDPMLEPENITADTLEHM 1703
DB 2853 EIEYTCNBEFLLLEGARSVCLANGSWSGATPDCVPRCATPP-----QLANGVTEGLDYGF 2908

QY 1704 MEPVK-----VQSIYCTGRQWHPDPVLVHCTQSCBP 1735
DB 2909 MKEVTFPHCHEGYILHGAPKLLTQSDGNWDAAE-----IPLCKP 2945
```

RESULT 5
US-10-453-372-198
; Sequence 198, Application US/10453372
; Publication No. US2006000323A1

```
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEO ID NOS: 1609
; SOFTWARE: CuraSeqlist version 0.1
; SEO ID NO 198
; LENGTH: 3570
; TYPE: PRF
; ORGANISM: Homo sapiens
; US-10-453-372-198
```

```
Query Match 3.4%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 3,7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;
```

```
QY 286 AFTVEAWKPEGGQNNPAIIAGVFDNCST--VSD-KGVALGIRSGDKGRDARFFFS 341
DB 1449 ALTCTFWMKSSDDMNVTGTPISYAVDNGSDNTLLTLDYNGWLVV-NGREK----- 1497
QY 342 LCTDRVKKATLILSHSRYPGTWTHVAATV--DGRHMLYVD-----GTQVASSLDQ 391
DB 1498 -----ITNCPSPVNDGRWHHIALTWTSTGGAWRVYINGELSDGGTGLSIGKAIPG 1546
QY 392 SGPLNSPFMASCRSLLLGDSSEDDGHYFR-----GHLGTLVFWSTAL-PQSHFOHSSQH 444
DB 1547 GG-----ALVLGQEQDKKGGEGFNAESFVGSISQNLNWDVLSPO--QVKSLA 1592
QY 445 SSGEPEATDLVLTASFEPVNTWVFR-----DEK-----YPRL----- 478
DB 1593 TSCPEELSKGNVLA-----WPDFLSGIVGKVIDSKSIFCSDCFRLGGSVPHLRTAS 1644
QY 479 EVLQ-----GF-----EPEP--EILSPLOPPL----- 498
DB 1645 EDLKPGSKYNLFCEPGLVGNPNVQCLNQGOWTQPLPHCERIRCGVPPPLENGFHSADD 1704
QY 499 --CGQTV---CDNVELISQYNGWPLRGEKVIKRYQVNICDDEGLNPVSEEQIRLQHEA 553
DB 1705 FYAGSTVTVQCN-----NGYLLGDSRM-----FCTDNGSWNGVSPSCLDVDECA 1749
QY 554 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCESKIGN-DHC-DP-ECE--HPLTGY 607
DB 1750 VGSDCSEH-----ASCLNVDS-----YICSCVPPTYTGDGKNCAEPIKCKAPGNPENGH 1798
QY 608 DGGDCRLQG-----RCYSWNRDGLCHVEC-----NNMLNDFDDGDCDDPQVADVKTG 656
DB 1799 SSGEIYTVGAEVTFSCQEGYQLMGVTKITCLSEGEWNHLI-----PYCKAV--SC 1846
QY 657 FDPDSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPDKDAVTHLGGIV 716
```

```
DB 1847 GKPAIPENG--CIEELAFTPGSKVTYRCKNGYTLAGDESSCLANSSWSHSP-----V 1898
QY 717 LSPAYYGMPGHTDTMIHEVHVLGLYHVKGVSERESCNDPCKETVPSPMETGDLCADTA- 775
DB 1899 CEPVXCSSPENINN-----GKY-ILSGLTYLSTASYSC-DTGYSLQGPSIIECTAS 1947
QY 776 -----PTPKSELCREPEPTSDTC---GTRFPGARFTNYMSYTDNCTDNFTPNQVA 824
DB 1948 GIMDRAPRACHLVFCGEPPATKDAVITGNFT-----FRNTVITYT---CKEGYTLAGLD 1998
QY 825 RMHCYLDLVYQOWTESRK---PTPIPIPMVIGQTNKSLTIHMLPPISGVVYDRASGSLC 881
DB 1999 TIECLAD--GKMSRSDQCLAVSCDEPPIVDHASPE-TAH-----RLFGLDA 2042
QY 882 GACTEDGTFRQYVHTASSRKYCDSSGYWTPEEAVGPPD-VDQPC--PSLQAWSPEVHLY 938
DB 2043 FYYCSDG---YSLADNSQLCNAGKWPPEGQDMPRCIAHCEKPPSVS-----Y 2090
QY 939 HMNMVPCPTEGCSLELLFQHPVQADTLTLMTSFFMESQVLPDTEILLE-----NK 991
DB 2091 SI-----LESVSKAKFAAGS---VVSFKCMEGFVL-NTSAKIECMRGQWNP 2133
QY 992 ESVHLGPLDTECDIPLTIKLHVQKVSQVKTFDERI-----EIDAALLTS 1038
DB 2134 SPMSIQICIPVRGEPSPSI--MNGYASGSN-YSFGAMVAVSCNKGFIYIKGKSTCEATG 2189
QY 1039 QPHSPILCSGCRPVRYQVLRDPPRASGLPVVVTTHSHRKFTDVEVTPGOMYQYVLAEGGE 1098
DB 2190 QWSSPIPT-CHPV-----SCGEPKVENGF-----LEHTTGRIFESEVRVYQCNPG 2233
QY 1099 LGEASPPPL-----NHIHG-APY-----CG-----DGKVSERLGEBCDDGD 1132
DB 2234 YKSVGSPVFCQANRHHMHSBPLMVCPLDCGKPPRIQNGFMKGENFEVGSKVQFFCNEGY 2293
QY 1133 LVSGDCGSKVCELEBGFNCVGEBSLCYMEBGDICEPFE-----RKTSLYVDCG 1180
DB 2294 ELVGBS-SWTCQKSGKWNKKSBNK-----CMPAKCEBPRLLENQLVLKELTTEVG 2342
QY 1181 IYT---PKGYL-----DQWATRAYSHEDKKKCPVSLVTGEPHSLICTSYHPD 1225
DB 2343 VVTFSCKEGHVLQGPSVLKCLPSQW-----NDSFPVCKIVLCTPPR---LISFGVP 2391
QY 1226 LPN---HRPLTGMFPCVAS-----ENETQDDRSEQPESGLKKEDEVW---LKVCFNRPGEA 1275
DB 2392 IPSSALHFGSTVKYSCVGGFRLGNST-----TLQOPDGTWSSPLPEC----- 2434
QY 1276 RAIFPLTTDGLVPEGHQRP-TYLLVLTDVGRSNHSLGTYGISCQHN-PLIINVT---H 1329
DB 2435 -----VPVECPQPEELPNGIIDVOGLAY-LSTALYTCKPGFELVGNTTTLGGE 2481
QY 1330 HQNVLFHHTSVLNLNFPVIGSAVALRTSSRIGLSAPSNCTISEDEGQNHQOS--CI 1386
DB 2482 NGHWLGKPTCKAIECLKPKEILNGKFSYTDLHYGQTVYSC--NRGFRLEGPSALTCL 2538
QY 1387 HRPCKGOD-SCPSLLLDHADVVNCTSIGP--GLMKCA-----ITCQGFALQASS 1433
DB 2539 E--TGMDVDVAPS-----CNAIHCDSPQPIENGFEVGEADYSYGAIIITYSCPPGFQVAGHA 2591
QY 1434 GQYTRPMQKEILLTSSSGHWQNV-SCLPVDGCVP-----DPS 1470
DB 2592 MQ-----TCESGWSSTIPTCMPIDCGLRPHIDFGDCTKLKDDQGYFEQEDDM 2640
QY 1471 LVNY-----ANFSCSEGRK-----FL--KRCSISCVPPAKLQGLSPWLTC 1509
DB 2641 EVPIYTPHPRYHLGAVAKTMENTKESPATHSSNFLYGTWVSYTGNPGYELLG-NPVLICQ 2699
QY 1510 EDGLMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGYVAESAEG 1568
DB 2700 EDGTWNGAPSICISIECDLPTAPENGFRLFTET---SMGSAVQYSCKPGHIIAGSD-- 2752
QY 1569 KVRNKLKIQCLEGIEWEQS--CIPVCEPFPVPVFEQ-----MYECTNGFS 1613
DB 2753 -----LRL-CLENRKWSGASPRCEAISAICKKPNPVMNGSIRGSNYTYLSTLYYECDPGY- 2804
```



```

QY      1614 LDSQCVLNCNQERREKLPILCTKEGLMTQEFKLCENTLOGECPPPPSELN----- 1661
           ||| : | : : : : : : : : : : : : : : : : : : : : : : : :
Db      2805 -----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPPVSANGQVRGDEYTFQK 2852
QY      1662 SVEYKCEQGY-----GIGAVCSPL-CVILPSPDPVMLPENITADTLEHW 1703
           :||| : : : : : : : : : : : : : : : : : : : : : : :
Db      2853 EIEYTCNEGFLLLEGARSRYCLANGSWGATPDCVPVRCATPP-----QLANGYTEGLDYGF 2908
QY      1704 MEPVK-----VQSTVCTGRQWHPDPVLVHCTQSCPEP 1735
           | : | : : : : : : : : : : : : : : : : : : : : : :
Db      2909 MKEVTFHCHEGYILHGAPKLTQOSDGNWDAE-----IPLCKP 2945

```

```

RESULT 6
US-10-453-372-200
; Sequence 200, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Albobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT FILING DATE: US/10/453, 372
; PRIOR APPLICATION NUMBER: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 200
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-200

```

	Query Match	3.4%;	Score 332.5;	DB 6;	Length 3570;
	Best Local Similarity	19.7%;	Pred. No. 3.7e-17;		
	Matches 352;	Conservative 210;	Mismatches 602;	Indels 619;	Gaps 107;
Qy	286 AFTVEAMVKPEGGONNPAAIAGVFEDNCSHT--VSD-KGWALGIRSGDKDGKRDARFFFS	: :	:	: :	:
Dd	1449 ALTCTFMMKSDDMNNGTPISYAVDNGSDNTLLTPTYNGWVLVY-NGREK-----	: :	:	: :	:
Qy	342 LCTDRVKKATILISHSRYPGTWTHVAATY-DGRHVALYVD-----GTQVASLDD	: :	:	: :	:
Dd	1498 -----ITNCPSVNDGRMHIAITWTSTGCAMRVYINGELSDGTGLSIGKAIPG	: :	:	: :	:
Qy	392 SGPLNSPFMASCRSLLGDSSEDEGHYR-----CHLGLTVFWSTAL-PQHPOHSSQH	: :	:	: :	:
Dd	1547 GG-----ALVIGGEQDKKGEGFNPAESFVGSIQLNLMDWLVLSPP--QVKSILA	: :	:	: :	:
Qy	445 SSGEEAATDLVTASFEPVNTIEWPFR-----DEK-----YPRL-----	: :	:	: :	:
Dd	1593 TSCPEELSKGNVLA-----WPDFLSGIYGKVAKIDSKSIFCSDCPRLGGSVPHLRTAS	: :	:	: :	:

Qy	479	EVLO-----GF-----EPEP--EILSPLOPPL-----	498
Db	1645	EDLPGSKVNLFCBEGFQLVGNPVQYCLNGQWTPQLPHCERIRCGVPPPLENGFHSADD	1704
Qy	499	--CGQTV---CDNVELISQYNGWPLRGEKVIRYQVNICDDEGLNPVSEEQIRLQHEA	553
Db	1705	FYAGSTVTYQCN-----NGYLLGDSRM-----FCTDNGSWNGVSPSCLDVDECA	1749
Qy	554	LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNGEPSKIGN-DHC-DP-ECE---HPLTGY	607
Db	1750	VGSDCSEH-----ASCLNVDS-----YICSCVPYTGDKNCABPIKCKAPGNPENGH	1798
Qy	608	DGDCRLQG-----RCYSWNRDGLCHVEC-----NMMLNDFDDCCDPQVADVRCYC	656
Db	1799	SSGEIYTVGAEVTFSCQEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC	1846
Qy	657	FDPDSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPDKDAVTHLGIV	716
Db	1847	GKPAIPENG--CIEBLAFTFGSKVTRYCRNGKGYTLAGDKESSCLANSSWSHSP-----V	1898
Qy	717	LSPAYYGMPGHTDTMIHEVGHVLGLYHVFKGYSERESCNDPCKETVPSMETGDLCADTA-	775
Db	1899	CEPVKCSSPENINN-----GKY-ILSGILTYLSTASYSC-DTGYSLOGPSIIECTAS	1947
Qy	776	-----PTPKSELCREPEPTSDTC--GFTRFPAGFTNYSYTDNCTDNFTPNQVA	824
Db	1948	GIWDRAPACHLVFCGEPPAIKDAVITGNFT-----FRNTVITYT--CKEGYTLAGLD	1998
Qy	825	RMHCYLDLVYQOWTESRK--PTPIPIPMYIGQTNKSLTIHMLPISGVYDRAAGSLC	881
Db	1999	TIECLAD--GKMSRSDQQLAVSCDEPVIDHASPE-TAH-----RLFEDIA	2042
Qy	882	GACTEDGTFRQYVHTASSRRVCDSSGYWTEBEAVGPPD-VDQPC--PSLOAMSPEVHLY	938
Db	2043	FYYCSDG---YSLADNSQLCMAGKQWVPEGQDMPRCIAHFCEKPPSVS-----Y	2090
Qy	939	HMMNTVPCPTBGCSLELLFQHPVQADTLIYVTSFFMESSQVLFDTIELLE-----NK	991
Db	2091	SI-----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGQWNP	2133
Qy	992	ESVHLGPLDTFCDIPLTIKLHVDGKVGKVTFDERI-----EIDALLTS	1038
Db	2134	SPMSIQCIPIVRGGEPPSI--MNGYASGSN-YSGAMVAYSCNKGYIKGEKSTCEATG	2189
Qy	1039	QPHSPLCSGCRPVRYQVLRDPPFASGLPVVVYVTHSHRKFTDVEVTPGQWYQVLAEAGE	1098
Db	2190	QWSSPIPT-CHPY-----SCGEPPYENGF---LEHTTGRIESEVRYQCNP	2233
Qy	1099	LGEASPL-----NHIHG-APY-----CG-----DGKVSERLGECCDDGD	1132
Db	2234	YKSVGSFVFCQANRHWHSSEPLMCVPLDCKPPIQNGFMKGENFEVGSKYQFCNEG	2293
Qy	1133	LVS GDGCSKVCELEBGFNCVGEPSLCMYEBDGI CE PFE-----R KTSIVDCG	1180
Db	2294	ELVGDS-SWTCQKSGKWNKSNPK-----CMPAKCEPPLLENOLVLKELTTEVG	2342
Qy	1181	IYT---PKGYL-----DQWATRAYSSHEDKKCPVSLVTGEBSLICTSYHPD	1225
Db	2343	VVTFSCKEGHVLOGPSVLKCLPSQW-----NDSFPVCKIYLCITPPP---LISFGVP	2391
Qy	1226	LPN---HRPLTGMFPVVAS---ENETQDDRSEQPEGSLKKEDEVW---LKVCFNRPGEA	1275
Db	2392	IPSSALHFGSTVYKXSCVGGFFLRGNST-----TLCQPDGTWSGDLPEC-----	2434
Qy	1276	RAIFILTTDGLVPEGEHQP-TVTLVYLDVRGSNHSIGTYGLSCQHN-PLIINVY---H	1329
Db	2435	-----VPECPQPEEIPNGI IDVQGLAY-LSTALYTCKPEBELVGNITTLGGE	2481
Qy	1330	HQNVLFHHTTVLNLFPSSPRVGISAVALRTSSRIGLSAPSNCISEDEGQNHQGS---CI	1386
Db	2482	NGHWLGGKPTCKAIECLKPKKEILNGKBSYTDLHYGQTVTYSC--NRGFRLEGPSALTCL	2538
Qy	1387	HRPCGKOD-SCPSILLDHADVNCSTIGP--GLMKCA-----ITQORGFAQASS	1433

Db 2539 E--TGDWVDAPS-----CNAIHCHDSQPIENGFEVGADYSYGAIIITYSCFPGFQVAGHA 2591
Qy 1434 GQYIRPQKEILLTSSSGHWDQNV-SCLPVDGCV-----DPS 1470
Db 2592 MQ-----TCEESGWSSSIPTCMPIDCGLRPHIDFGDCTKLKDQGYFEQEDDM 2640
Qy 1471 LVNY-----ANFSCSEGTK-----FL--KRCSISCVPPAKLQGLSPWLTCL 1509
Db 2641 EVRYVTPHPYHLGAVAKTMENTKESPAHSSNFLYGTWVSYTCNPGYELLG-NPVLICQ 2699
Qy 1510 EDGLWSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGITICKYECKPGYVAESAEG 1568
Db 2700 EDGTWNGSAPSCISIECDLPTAPENGFLFTET-----SMGSAVOYSCKPGHILAGSD-- 2752
Qy 1569 KVRNKLKIQCLEGGIWEQGS--CIPVVCERPFPVFEG-----MYECTNGFS 1613
Db 2753 -----LRL-CLENRKWSGASPRCEAISCKKNPVMNGSIKGSNTYLLSTLYECDPGY- 2804
Qy 1614 LDSQCVLNCQEREKLPILCTKEGLWTQEFKLCENLQEGCPPPPELN----- 1661
Db 2805 -----VLNGTERR-----TCODDKWDEDEPIC--IPVDCSSPPVSANGQVRGDEYTFQK 2852
Qy 1662 SVEYKCEGY-----GIGAVCSPL-CVIRPSDPVMLPENITADTLEHW 1703
Db 2853 EIEYTCMEGFLLEGARSRVCLANGSWSGATPDCVPRCATPP-----QLANGVTEGLDYGF 2908
Qy 1704 MEPVK-----VQSIVCTGRQWHPDPVLVHCIOQCEP 1735
Db 2909 MKEVTFHCHEGYILHGAPKLTQCQSDGNWDAE-----IPLCKP 2945

RESULT 7
US-10-453-372-204

; Sequence 204, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsebrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 204
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-204

Query Match 3.4%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;

Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;
Qy 286 AFTVEAWVKPEGQNNPATIAGVEDNCSHT--VSD-KGVALGIRSGKDKGRDARFFFS 341
Db 1449 ALTCTFWMKSSDDMNYGTPISYAVDNGSDNTLLTLDYNGWVLYV-NGREK----- 1497
Qy 342 LCTDRVKKATILISHSRYPQGTWTHVAATY--DGRHMAIYVD-----GTQVASSLDQ 391
Db 1498 -----ITNCPSVNDGRMHIAITWTSTGAMRVYINGELSDGTLSIGKAIIPG 1546
Qy 392 SGPLNSPFMASCRSLLLGDSSEDHYFR-----GHGLTLVFWSTAL-POSHFQHSQH 444
Db 1547 GG-----ALVLGQEDKKGEGFNPASFVGSISQNLMDYVLSPO--QVKSILA 1592
Qy 445 SSGEEBATDVLVTASFEPVTEWVPR-----DEK-----YPRL----- 478
Db 1593 TSCPEELSKGNVLA-----WPDFLSGIVGKVKIDSKSIFCSDCPRLGGSVPHLRTAS 1644
Qy 479 EVLQ-----GF-----EPEP-----EILSPLOPPL----- 498
Db 1645 EDLRKGSKNVLFCEPFGQLVGNPVQYCLNOGQWTQPLPHCERIRCGVPPPLENGFHSADD 1704
Qy 499 --CGQTV--CDNVELISQNGYWPRLRGEKVIROYVNICDDEGLNPVISEEQIRLQHEA 553
Db 1705 FYAGSTVTYQCN-----NGYLLGDSRM-----FCTDNGSWNGVSPSLDVDECA 1749
Qy 554 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE--HPLTGY 607
Db 1750 VGSDCSEH-----ASCLNVDS-----YICSCVPPYTGDKNCAEPIKCKAPGNPENGH 1798
Qy 608 DGEDCRLQG----RCYSNNRRDGLCHVEC-----NNMINDFDDGDCDPOADVARKTC 656
Db 1799 SSGEITYVGAEVTFSCQEGYQLMGVTKITCLESGEWNHLI-----PYCKAV--SC 1846
Qy 657 FDDPSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAAGATWPDKDAVTHLGIV 716
Db 1847 GKPAIPENG--CIEELAFTEGSKVTYRCNKGYTLAGDKSSCLANSSWSHSP-----V 1898
Qy 717 LSPAYYGMPGHTDTMIHEVHVLGLYHVFKVSERESQNDPCKETVPMSMETGDLCADTA- 775
Db 1899 CEPYKCSSPENINN-----GKY-ILSGLTYLSTASYS-CTGYSLQGPSIIECTAS 1947
Qy 776 -----PTPKSELCREPEPTSDTC---GTRFPGAPFTNMYSYTDNCTDNFTPNQYA 824
Db 1948 GIMDRAPRACHLVFCGEPRAIKDAVITGNFT-----FRNTVYTY--CKEGYTLAGLD 1998
Qy 825 RMHCYLDLVYQWTESRK---PTPIPIPMVIGQTNKSLTIHMLPISGVVYDRAGSGLC 881
Db 1999 TIECLAD--GKMSRSDQOCLAVSCDEPPIVDHASPE--TAH-----RLFEDIA 2042
Qy 882 GACTEDGTFRQYVHTASSRRVCDSSGYWTPEEAVGPPD-VDQPC--PSLOAMSPEVHLV 938
Db 2043 FYYCSDG---YSLADNSQLCNAQGMVPRPEGQDMPRCIAHFCEKPPSVS-----Y 2090
Qy 939 HMMNTVPCPTEGCSLELLFQHPVQADTLTLWVTSFMESSQVLFDTIILE-----NK 991
Db 2091 SI-----LESVSKAKFAAGS---VVSFKMEGFVL-NTSAKIECMRGGMNP 2133
Qy 992 ESVHLGPLDFTCDIPLTIKLVHDGKVSQVKTFFDERI-----EIDAALITS 1038
Db 2134 SPMSIQICIPVRCGEPSI--MNGYASGSN-YSFGAMVAYSCKNGFYIKGEKKSSTCEATG 2189
Qy 1039 QPHSPLCSGCRPVRYQVLRDPFPASGLPVVVTSHRKFTDVEVTPGOMYQYQVLAAGGE 1098
Db 2190 QWSSPIPT-CHPV-----SCGEPKVENGF-----LEHTTGRIFESEVRYQCNPG 2233
Qy 1099 LGEASBPPL-----NHIHG-ADY-----CG-----DGKVSERLGEBCDDGD 1132
Db 2234 YKSVGSPVFCQANRHRHWSBPLMVCPLDCGKPPPIQNGFMKGENFEVGSKVQFFCNEGY 2293
Qy 1133 LVSGDGCCKVCELEEGFNCVGEBSLQCYMEGDGICEPFE-----RKTSLYVDCG 1180
Db 2294 ELVGDGDS-SWTCQKSGKWNKSNPK-----CMPAKCEPPLLENQLVLKELTTEVG 2342

Db 2091 SI-----LESVSKAKFAAGS-----VVSFKMEGFVL-NTSAKIECMRGQWNP 2133
Qy 992 ESVHLGPLDTFCDIPLTIKLHVDGKVGKVTYFDERI-----EIDALLTS 1038
Db 2134 SPMSIQCIPIVRCGEPPSI--MNGYASGSN-YSGAMVAYSCNKGYIKGEKSTCEATG 2189
Qy 1039 QPHSPLSCGCRPVRYQVLRDPPFASGLPVVVTSHRKFTDVEVTPGOMYQYVLAEGGE 1098
Db 2190 QWSPIPT-CHPV-----SCGEPPKVENGF-----LEHTGRIPESEVRQCNPG 2233
Qy 1099 LGEASPPPL-----NHIHG-APY-----CG-----DGKYSERLGEECDGD 1132
Db 2234 YKSVGSPYFVCOANRHMWSESPLMCVPLDCGKPPRIQNGFMKGEMFVGSKVQFCNEG 2293
Qy 1133 LVSIGDCSKVCELEEGFNCVGEPSLCMYEGDGICEPFE-----RKTSTVDCG 1180
Db 2294 ELVGDG-SWTCQKSGKMNKSNPK-----CMPAKCPEPPLLENQVLKELTTEVG 2342
Qy 1181 IYT--PKGYL-----DQWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPD 1225
Db 2343 VVTFSCKEGHVLOGPSVLKCLPSQOM-----NDSFPVCKIYVLCITPP--LISFGVP 2391
Qy 1226 LPN--HRPLTGWFPCCVAS---ENETQDRSEQPEGSLKKEDEVW---LKVCFNRPGEA 1275
Db 2392 IPSSALHFGSTVKYSCVGGFFLRGNST-----TLCQPDGTWSSPLPEC----- 2434
Qy 1276 RAIFILTTDGLVPEGHQOP-TVTLTYLTVRGSNHSLGTYGLSCOHN-PLIINVT---H 1329
Db 2435 -----VPVECPQPEEIPNGIIDYQGLAY-LSTALYTCKPGFELVGNTTTLGGE 2481
Qy 1330 HONVLFHHTSVLLNFSSPRVGISAVALTSSRIGLSAPSNCSIEDGQNHQGS---CI 1386
Db 2482 NGHWLGGKPTCKALIECLKPKEILNGKFSYTDLHYGQTVTYS--NRGFRLEGPSALTCL 2538
Qy 1387 HRPCGKQD-SCPSLLLDHADVNCTSIGP---GLMKCA-----ITCQRGFALQASS 1433
Db 2539 E--TGDMDVDAPS-----CNAIHCDSPQIENGFEVAGADYSYGAIITYSCFPGQVAGHA 2591
Qy 1434 GQYIRPMQKEILLTSSGHWQNV-SCLPYDCGP-----DPS 1470
Db 2592 MQ-----TCEESGWSSSIPTCMPIDCGLRPHIDFGDCTKLKDDQGYFEOEDDM 2640
Qy 1471 LVNY-----ANFSCSEGTK-----FL--KRCISISVCPAKLQGLSPWLTCL 1509
Db 2641 EVRYVTTPHPYHLGAVAKTMENTKESPATHSSNFLYGTWVSYTCNPEYELLG-NPVLICQ 2699
Qy 1510 EDGLWSLPEYYC-KLECDAPRIILNANILLPHCLQDNHDVGTICKYECKPGYVAESAEG 1568
Db 2700 EDGTWNGSAPSCISIECDLPTAPENGFLRFTET-----SMGSAYQYSCKPGHILAGSD-- 2752
Qy 1569 KVRNKLKIQCLEGGIWEQGS--CIPVVCBPPPPVFEF-----MYECTNGFS 1613
Db 2753 -----LRL-CLENRKWSGASPRCEAISCKKNPVMNGSIKGSNTYTLSTLYECDPGY- 2804
Qy 1614 LDSQCVLNCNOERREKLPICTKEGLWTQEFKLCENLQEGCPPPPELN----- 1661
Db 2805 -----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDCSSPPVANGOVRGDEYTFQK 2852
Qy 1662 SVEYKCEGGY-----GIGAVCSP-L-CVIPPSDPVWLLENITADTLEHW 1703
Db 2853 EIEYTCNEGFLLEGARSRVCLANGSWSGATPDCVPRCATPP---QIANGVTEGLDYGF 2908
Qy 1704 MEPVK-----VQSIVCTGRRQWHPDPVLVHCIOQCEP 1735
Db 2909 MKEVTFHCHEGYILHGAPKLTQOSDGNWDAE-----IPLCKP 2945

RESULT 9
US-10-453-372-202
; Sequence 202, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:

; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curoseqdist version 0.1
; SEQ ID NO 202
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-202

Query Match 3.4%; Score 331.5; DB 6; Length 3570;
Best Local Similarity 20.0%; Pred No. 4.4e-17;
Matches 354; Conservative 211; Mismatches 608; Indels 601; Gaps 107;
Qy 286 AFTVEAWKPEGQGNPPAIIAGVFNDCSHT--VSD-KGWLGIKSGDKGKRDARFFFS 341
Db 1449 ALTCTFWMKSSDDMNNGTPISYAVDNGSDNTLLTLTDYNGWVLYV-NGREK----- 1497
Qy 342 LCTDRYKAKATILLISHSRYPGTWTHVAATY--DGRHMAIYVD-----GTQVASSLDQ 391
Db 1498 -----ITNCPSVNDGRMHIAITWTSTGAMRVYINGELSDGTGLSIGKAIPG 1546
Qy 392 SGPLNSPFMASCRSLLLGDSSEDEGHYR-----GHILGLVFWSTAL-PQSHFOHSSQH 444
Db 1547 GG-----ALVLGQEQDKGEGFNPAESFVGSISQNLMDYVLSPO--QVKSILA 1592
Qy 445 SSGEEBATDVLVTASFEPVNTENVPR-----DEK-----YPRL----- 478
Db 1593 TSCPEHLSKGNVLA-----WPDFLSIGIVGKVKIDSKSIFGSDCPRLGGSVPHLRTAS 1644
Qy 479 EVLQ-----GF-----EPBP--ELISPLQPP----- 498
Db 1645 EDLKPGSKVNLFCBPGFQLVGNPVQYCLNOGQWTQPLPHCERIRCGVPPPLENGFHSADD 1704
Qy 499 --CGQTV---CDNVELISQYNGWPLRGEKVIKYQVNVNICDDEGLNPVISEEQIRLQHEA 553
Db 1705 FYAGSTYTYQCN-----NGYYLLGDSRM-----FCTDNGSWNGVSPSCLDVDECA 1749
Qy 554 LNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN-DHC-DP-ECE--HPLTGY 607
Db 1750 VGSDCSEH-----ASCLNVDS-----YICSCVPPYTGDKGCAEPIKCKAPGNPENGH 1798
Qy 608 DGDGCRLOG-----RCYSMNRRDGLCHVEC-----NNMLNDFDDGDCDPQVADVAKTC 656
Db 1799 SSGEITYVGAEVTFSQQEGYQLMGVTKITCLESGEWNHLL-----PYCKAYV-SC 1846
Qy 657 FDPDSPKRAYMSVKELKEALQINSTHFLNIYPASSVREDLAGAATWPKDAVTHLGIV 716
Db 1847 GKPAIPENG--CIEELAFTFGSKVYTYRCNKGYTLAGDKESSCLANSSWSHSP-----V 1898

QY 783 --CREBE-----PTSDTCGFTTRP---GAPFTNVMSTYTDNCTDNF--- 818
Db 500 GHCOAPDHFLFAKLKTOTNASDPFGTSLKYECRPEYYGRPFS-----ITCLDNLVWS 552
QY 819 TPNOVARMHCYLDLVYQOWTESRKPTPIPIPMV-----IGQT 856
Db 553 SPKDYCK-----RKSCKTPDPVNGMVHVTIDIQVSRINYSTCTGHRLLIGHS 600
QY 857 NKSLLT-----HW-LRPI-----SGVYVDRASGSLCGACTEDGTERQYVHTAS--SRRV 902
Db 601 SAECILSGNAAHMSTKPCQRIPCGLPPTIANGDFI-----STNRENPHYGSVVTYRC 654
QY 903 CDSGTYWTPBEAVGPPDV-----DQPCPSLQAWS-PEVHLYHMMVTVPCTEGCSLEL 955
Db 655 NPGSGRKVFELVGEPSIYCTSNDDQ-----VGIWSGPAQCII PNKCTPPNVE----- 703
QY 956 LFOHPVQADTLTLWVTSFFMESSQVLEFDEILLE--NKSQVHLGPLDTFCDIPLTIKHL 1012
Db 704 -----NGILVSDNRSLFSLNEVVEFRQCQPGFVMKGP RRVKCQ----- 740
QY 1013 VDGKVSQVKVYTFDERIEIDAALLTSQPHSPLCSG-CRPVRYQVLRDPPEFASGLPVVVT 1071
Db 741 -----ALNKMWEPBLPSCSRVCQ-----PPDVLH 764
QY 1072 SHRKFTDVE-VTPGQMYQVLAAGEL-GEAS---PLNHIHGAPYCG----- 1116
Db 765 AERTQRDKDNFSPQGEVFYS--CEPGDLRGAASMRCTPGDMSPAAPTCEVKS CDDFMG 822
QY 1117 ---DGK---VSERLGEE---CDDGDLVSGDGS-----KVCE----- 1144
Db 823 QLLNGRVLPVNLQLGAKVDVCEGFQLKGSSASYCVLAGMESLMNSSVPVCEQIFCPS 882
QY 1145 -----LE-----EGFNCVGEBSL-CYM-YEGDGI----- 1166
Db 883 PPIVINGRHTGKPLEVPFPGKAVNYTCDPHPRGTSFDLIGESTIRCTSDPQNGWSSP 942
QY 1167 -----CE-----PFERKTSIVDCGIYT-----PKGY-----LDQWATR 1194
Db 943 APRCGILGHCOAPDHFLFAKLKTOTNASDPFGTSLKYECRPEYYGRPFSITCLD---NL 999
QY 1195 AVSSHED---KKKC--PVS LVTEGPHSLI-----CTSYHPDL PNHR----- 1230
Db 1000 VWSGPRDVCKRKSKCTPPDPVNGMVHVTIDIQVSRINYSTCTGH-RLIGHSSAECILSG 1058
QY 1231 -----PLTGMFPC-----VASENETQDDRSEQPEGS LKKEDEWLVKCFNRPGEAR 1276
Db 1059 NTAHMTKPPICQRI PCGLPPTIANGDFISTNRENPHYGSV-----VTYRCNLGSRGR 1111
QY 1277 AIF-----IFLITDG-----LVPEGHQOPTVT--LYLTDVRGSNHS L-- 1311
Db 1112 KVFELVGEPSIYCTSNDDQVGISGAPQCII PNKCTPPNVENGILVSD---NRSLFSL 1167
QY 1312 -----GTYGLSCQ-----HNPLIINVTHQNVLFH--HTTSVLNLNFS 1347
Db 1168 NEVVFERCQPGFVMKGP RRVKCQALNKMWEPBLPSCSRVCQPPPEILHGEHTPSHQDNFSP 1227
QY 1348 PRVGISAVALRTSSRIGLSAPSNCTISEDEGONHOGOSCIHRPCGKQ-----DS 1395
Db 1228 -----GQEVFYS C--EPGYDLRGAASLH--CTPQGDWSP EAPRCVAVKS 1266
QY 1396 CPSSL--LDHADVNCTSIGPGLMKCAITCQGFALQASSGQYIRPMQKEILLTSSSGHW 1453
Db 1267 CDDFLGQLPHGRVLPFLNLQLG-AKYSVFCDEGFR LKSSSVSH-----CVLVGMRSLW 1318
QY 1454 DQNV S-CLPVD CGVPDPBSLVNYANPSCSEG-TKFLKRCSISCVP-----PAKLOGLSPW 1505
Db 1319 NNSVPVCEHIFCPNP-PAILNGRHTGPSGDI PYGKEISYTCDPHDPDRGMTFNLIGEST- 1376
QY 1506 LTCLLED---GLWSLPEVYCKL-----ECDAPPIILNANLLPHCLQD-NHDVGTICKYE 1555
Db 1377 IRCTSDPHGNGVWSSPAPRCELSVRAGHCKTPEQFPFASPTIP--INDFEFPVGTSLANYE 1434
QY 1556 CKPGYVVAESAEGKVRNKLKIQCLEGIWE--QGS CIPVVCBPPPPVFEGM----- 1605

Db 1435 CRPGYF-----GKMFISICLENLVWSSVEDNCRKRKSGPPPEPFGMVHINTDQ 1484
QY 1606 -----YECTNGFSL---DSQCVLNCNQERKLPILCTKEGLWTQEFKLCENTLOGECP 1655
Db 1485 FGSITVWYSCNEGFRLIGSPSTTCLVSGNNV-----TWDKAPICEI I--SCEP 1530
QY 1656 PPSGLNS-----VEYKCEQGYG-----IGAVCSP 1679
Db 1531 PPTISNGDFYSNNRTSFHNGTVVTYQCHTGPPDGEQLFELVGERSIYCTSKDDQVGWSSP 1590
QY 1680 -----LCVI PP-SDPYMLPENIT---ADTLEHMEP---VKVQSI VCTGRQWHP 1722
Db 1591 PPRCISTNKTAPAEVENAIRVPGNRSFSLTEIRFRQCQPGFVMVGSHTVQCQTNGRW-- 1648
QY 1723 DPVLVHC IQSCEP 1735
Db 1649 GPKLPHCSRVCQ 1661

RESULT 11
US-10-055-877-211
; Sequence 211, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Rателиi, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Elsen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870

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; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
;
; LENGTH: 1574
;
; TYPE: PRT
;
; ORGANISM: Rattus norvegicus
US-10-055-877-211

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Query Match	2.9%;	Score 282.5;	DB 6;	Length 1574;
Best Local Similarity	19.7%;	Pred. No. 9.5e-14;		
Matches 297;	Conservative 81;	Mismatches 476;	Indels 657;	Gaps 86;

QY	571 QVHNSTLRHRVV-----LVNCEPS-----KIGNDHCDPECHPLTGYD	608
Db	169 RAHNGGCQHRCVNTPGSYLCECKPGRFRLHTTDGRTCLAISSCTLGNGGCQHQCQLTVTQH	228
QY	609 GGDCLRLOGRCYSWNR-----DLGHVECNMNLNDEDDGCCDP--QVADVKTG	656
Db	229 RCQCRPOYOLOEDGRRCVRSRSPCAENGCGMHICQELRGLAHG--CHPGYLAAADRKTG	286
QY	657 FDPDSPRAYMSVKELKALQUNSTHFLNIYPASSVREDLAGAATWPKDAVTHLGIV	716
Db	287 EDVDE-----CALGLAQCAHCLINTQGSKVCVCH-----	315
QY	717 LSPAYYGMPGHTDTMIHEGVHLG---LYHV-FKGVSERESCNDPCKETVPSPMETGDL	770
Db	316 -----AGVELGADGRQCYRIEMEIVNSCEAENGCGSHGCSHTSTGEPL	357
QY	771 CA-----DTAPTPKSELCREPEPTSDTCGFTRFG--APFTNYMSYTD	811
Db	358 CTCPRGYELDEDOKTCTIDDCANSPPCCQQ-----ACANT--PGGYECSCFAGYRLNTD	409
QY	812 -----DNCT-----DNFTPNQVARMHICYLDLYOQWTESRKPTPI-----	846
Db	410 GCCCEDVDDECASGHGGEHCNSLAGSFQCFCEAGYRLDEDRGCTSLAESVVDLDGRLP	469
QY	847 ---PIPMVIGQTNKSLTIHWLPI---SGVVYDRASGSLGACTEDGTFRQYVHTASS	899
Db	470 FVRPLPHIAVLARDE-----LPRLFDODYGAEEEAAMAEELRGE-----HTLTE	511
QY	900 RRVG-----DSSGYWTPREAVG-----PPDV-----DQP	923
Db	512 KPVCLDHSPGHDCSLTCDDCRNGGTCFPGQDGCDCEGWGTGIICNETCPDTPGKNCSSP	571
QY	924 -----CEPSLOA--WSPEVH-----	936
Db	572 CTCQNGGTCDPVLGACRCPGVSGAHCEDGCPKFYGNKCRKKCHCANRGCHRLYGACL	631
QY	937 ---LYHMNMVTVPCT---EGCSLELLFHQHPVOADTLTWTSFFMESSQVLFDTIELL	988
Db	632 CDPGLYGRFCHILACPWAFGPGCS-----EDCLC	660
QY	989 ENKESVHLGPLDTFCDIPLTIKLHVDKVSGVKYTFDERIEIDALLTSQPHSPLCSGC	1048
Db	661 EQSHTRSNCNPXDSC--SCKAGFGQ-----ERCQAECESGFFGP-----GC	699
QY	1049 RPVRKYQVLRDPPFASGLPVVTTSHRKFTDVEVTPGMQYQVLAELAGELGEASPPLNH	1108
Db	700 R-----HR-----CTCQPG-----VACDPVSGBECRTQCP--	724
QY	1109 IHGARPCGDGKVSERLGEBCDDGDLVSGDGSKVCELEEGFNVCVGEPSLCMYEBDGICE	1168
Db	725 -----GYGEDCGQECPVGTF--GVNCSGSC-----SCVGAP-CHRYTGECTLCP	765
QY	1169 PFERKTSIVDCGIYTPKGYYLDOWMATRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLLPN	1228
Db	766 P-GKITG-EDCGADCPEG--RWGLGC-----QELCPAC-----EHGASC-----	799

QY	1229	HRPLTGWFP	CVAS	ENETQ	DDRSE	QPEGS	LKKE	DVWLK	VCFN	RPG	EARA	I	F	FL	TTD	GLV	1288																																									
Db	800	-NPETG-	-----TCLCLPG-----FV-----														813																																									
QY	1289	PGEHQPT	VT	LYL	TV	RGS	NHSL	GT	YGL	SC	HN	PLI	N	V	TH	HQ	NVL	F	H	HT	S	V	L	L	N	F	S	S	P	12348																												
Db	814	-GSRQD	TC-	-----SAGWYGTGCQIR														CAC	AND	GH-	-----CDP										844																											
QY	1349	RVGISA	VAL	RT	SS	RIG	L	S	A	P	NS	CISE	DE	GO	N	H	O	G	O	S	C	I	H	R	P	C-	-----GKOD										SC	P	S	L	L	D	1402															
Db	845	TTGR	C	S	C	A	---	P	G	W	T	L	S	C	Q	R	A	C	---	D	S	G	---	H	W	G	P	D	C	I	H	---	P	C	N	S	A	G	H	N	C	D	A	V	S	G	L	C	895									
QY	1403	HADV	---	V	N	C	T	S	---	I	G	P	G	L	---	M	K	C	A	I	T	O	R	G	F	A	L	Q	A	S	S	G	O	Y	I	R	P	M	O	K	E	I	L	L	T	C	S	S	G	H	1453							
Db	896	EAGY	E	G	P	R	C	E	Q	S	C	R	O	G	Y	G	P	S	C	E	Q	K	---	R	E	H	G	A	C	D	H	V	S	---	-----ACT										P	A	G	---	W	942								
QY	1454	---	-----DQNV														S	C	L	P	V	D	C	G	V	P	D	S	L	V	N	Y	A	N	F	S	C	S	E	G	T	K	L	R	C	S	I	S	C	V	P	A	1497					
Db	943	RGS	F	C	E	H	A	C	P	A	G	F	G	L	D	C	D	S	A	C	---	N	C	S	A	G	A	P	C	D	A	V	T	G	S	C	I	P	A	G	---	R	W	G	P	R	C	A	Q	S	C	P	L	T	998			
QY	1498	KLQ	G	L	S	P	M	L	T	C	L	E	---	D	G	L	---	W	S	L	P	E	V	Y	C	K	E	C	D	A	P	I	L	N	A	N	L	---	-----										1536									
Db	999	FGL	N	C	S	Q	I	C	T	C	F	N	G	A	S	C	D	S	V	T	G	Q	C	H	C	A	P	G	M	N	G	P	T	---	C	L	Q	A	C	---	P	P	E	L	Y	G	K	N	C	Q	H	S	C	L	C	R	N	1054
QY	1537	---	L	P	H	C	L	O	D	N	H	D	V	G	T	I	C	K	E	C	K	P	G	Y	V	A	E	S	A	E	G	K	V	R	N	K	L	K	I	O	C	L	E	G	I	---	-----										1584	
Db	1055	GGR	D	P	I	L																																																				

RESULT 12
US-10-453-372-192
; Sequence 192, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776

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; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
; SEQ ID NO 192
; LENGTH: 2050
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (367)..(367)
; OTHER INFORMATION: wherein Xaa may be any naturally occurring amino acid
US-10-453-372-192
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Query Match          2.8%; Score 278.5; DB 6; Length 2050;
Best Local Similarity 19.2%; Pred. No. 2.9e-13;
Matches 243; Conservative 134; Mismatches 455; Indels 431; Gaps 68;
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QY 643 DCCDPQYADVVRTKCFDPDPSKRAYMSV-----KELKEALQLNSTHFLNIYFASSVREDL 696
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Db 18 DCCASNORD--SVGVGPSEPGVGLVVRRLSRSEKRNIRVGVTFRSSYTLAG--LDTI 73

QY 697 AGAATWPDKDVAVTHLGGIVLSPAYYGMGHDTMIHEVGHL-----GLYHVFQVSERE 752
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 74 ECLADGKMSRSDQCLA-----VSCDEPPIVDHASPETAHLFGDIAFYCSDGYSLAD 127

QY 753 S-----CNDECKETVPSMETGDLCADTAFTPKSELCREPEPTS----DTGFTFPGAPFT 804
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 128 NSQLCNAQGKWVPREGQDMPRCI-----AHFCEKPPSVSYSILESVSKAFAAGSVV 180

QY 805 NYMSYTDNCTDNFTPNQVARMHCYLDLVYQWTESRKPTPIPIPMVIGQTNKSLTIHW 864
   : : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 181 SF-----KCMGEFVLNTSAKIEC---MRGQWNP--PMSICIPVRGE----- 220

QY 865 LPPISGVVYDRASGS--LGCATEDGTFRQYVHTASSRRVCDSSGYWTPEAVGPPVDQ 922
   || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 221 -PP--SIMNGYASGSNYSFGAMVAVSCKNGFYIKGEKSTCEATGQWSS----- 266

QY 923 PCEPSLQAWSPEVHLVHMNTVPCPTGCSLELLFQHPVQADTLTLWTSFMESSQVLF 982
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 267 -----PIPT--C-----HPVSCGEPKPVENGFLHTTGRIF 295

QY 983 DTEILLENKESVHLGPLDTFCDIPLTIKLHVDGKVSQVKKVYTFDERIEIDALLTSQPHS 1042
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 296 ESEVRYQCNPgy-----KSVGSPVfV----- 316

QY 1043 PLCSGCRPVRYQVLRDP---PFAAGLPVVVTHSHRKFTDVEV--TPQMYQYQVLAAGG 1097
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 317 -----QANRHWSESPLMVCVPLDCGKRPPIQNGFMKGENFEVSGKQFFCNEGIXSPVG 371

QY 1098 E-----LGEASPLNHIHGAPYCGDGKVSERLGECDGDGLVSGDGSKVCELEEG-- 1148
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 372 DSSWTCQKSGKMNKSN-----PKCMPAK-----CPEPPLLENQLVLKELTTEVGIV 418

QY 1149 -FNCVGEPSLCYMEEGDI--CEPERKTSIVDCGITYPKGYLDQWATRAYSSHEDKKKC 1205
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 419 TFSCKER---HVLQGPSVLKCLPSQ-----QW-----NDSFPVC 449

QY 1206 PVSILVTGEPHSLICTSYHPDLPN--HRPLTGWPCVAS---ENETQDDRSQPEGLK 1258
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 450 KIYVCTPPP---LISFGVPIPSALHFGSTVKYSCVGGFPLRGNST-----TLC 495

QY 1259 KEDEVW---LKVCFNRPGEARAIFLTLTDGLVPGEHQOP--TVTLVLTVDVRSNHSILGT 1314
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 496 QPDGTWSSPLPEC-----VPVECPQPEELPNGIIDVQGLAY--LSTA 535

QY 1315 GLSCQHN-PLIINVT---HHQNVLFHHTTSLVLLNFSSPRVGISAVALTSSRIGLSAPS 1369
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Db 536 LYTCKPPELVGNNTTLTCCGENGHWLGCKPTCKAIECLKPKKEILNGKFSYTDLHYGQVTV 595
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1370 NCISEDEGQNHQGS---CIHRPCGKOD-SCPSLLDHADVNTSISGP--GLMKCA-- 1420
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 596 SC---NRGFRLEGPSALTCE--TGDDWDVAPS-----CNAIHCDSPQPIENGFEVAGDY 645

QY 1421 -----ITCQRFALQASGQYIRPMQKEILLTSSSGHWQNV-SCLPVDGVP----- 1467
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 646 SYGAIITYSCEPFGQVAGHAMQ-----TCESGWSSSIPTCMPIDCGLPRIHF 694

QY 1468 -----DPSLVNY-----ANFSCSEGTK-----FL--KRC 1489

Db 695 GDCTKLKDDQGYFEQEDDMMEVPYVTPHPRYHLGAVAKTWENTKESPATHSSNFLTGTMY 754

QY 1490 SISCVPAKLQGLSPWLTCLEBDGLMSLPEVYC-KLEGDAPRIILNANLLPHCLQDNHDV 1548
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 755 SYTCNPGYELLG-NPVLICQEDGTWNGSAPSCISIECDLPTAPENGFLRFTEt-----SM 808

QY 1549 GTICKYECKPGYVAESAEGKVYNKLLKIQCLEGGIWEQGS--CIPVCEPPPPVPEG-- 1604
   : : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 809 GSAVQYSCKPGHILAGSD-----LRL-CLENRKMSGASPRCEAISCKKPNVWNGSI 859

QY 1605 -----MYECTNGFSLDSQVLNCSNOERKLPILCTKEGLWTOEFKLCENIQEC 1653
   || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 860 KGSNTYTLSTLYECPDgy-----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDC 906

QY 1654 PPPPESELN-----SVEYKCEQgy-----GIGAVCSPL-CVI 1683
   || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 907 SSPPVASANGQVRGEYTFQKEIEYTCNEGFLLEGARSVCLANGSWSGATPDVCVPRCAT 966

QY 1684 PPSPDVMLPENITADTLEHMMEPVK-----VQSIVCTGRQWHPDVLVHCIOQS 1732
   || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 967 PP-----QLANGVTEGLDYGEMKEVTFHCHEGYILHGAFKLTQOSDGNWDAE-----IPL 1016

QY 1733 CEP 1735
   || | |
Db 1017 CKP 1019
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RESULT 13
US-10-995-561-792
; Sequence 792, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 792
; LENGTH: 868
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-995-561-792
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Query Match          2.6%; Score 259; DB 6; Length 868;
Best Local Similarity 23.0%; Pred. No. 2.8e-12;
Matches 121; Conservative 59; Mismatches 168; Indels 178; Gaps 31;
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QY 1318 CQHNPLIINVT--HQNVLFHHTTSLVLLNFSSPRVGISAVALTSSRIGLSAPSNCISE 1374
   || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 26 CQPPPEILHGEHTPSHQD-----NFSF-----QQEVRYSC--- 55

QY 1375 DEQNHQGSQSCIHRCGKO-----DSCPSLL--LDHADVNVNCTSIGPIMKCA 1420
   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 56 EPGYDLRGAASLH--CTPQGDWSPAPRCVAKSCDDFLGQLPHGRVLPPLNLQLG-AKVS 112

QY 1421 ITCQRFALQASGQYIRPMQKEILLTSSSGHWQNVS-CLPVDGVPDPPLVNYANFSC 1479
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Db 113 FVCDEGFRLKSSVSH-----CVLVGMRSLMNSVPCVCEHIFCPNP-PAIINGRHTGT 164
QY 1480 SEG-TKFLKRCISICVP-----PAKLOGLSPWLTCLD---GLWSLPEVYCKL----- 1523
Db 165 PSGDIPYGEKISYTCDPHEDRGMTENLIGEST-IRCTSDPHGNGVSSPAPRCELSVRAG 223
QY 1524 ECDAPPIILNANLLPHCIOD-NHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEG 1582
Db 224 HCKTPEQFPFASPTIP--INDEFPPVGTSLNYECRPGYF-----GKMFSISCLEN 271
QY 1583 GIWE--QGSICIPVCEPPPEVFEGM-----YECTNGFSL----DSQCVLNC 1622
Db 272 LVMSSVEDNCRKSKCGPPPEPFNGMVHINTDTQFGSTVNYVSCNEGFRLLIGSPSTTCLVSG 331
QY 1623 NQEREKLPILCTKEGLMTQEFKLCENTLOGECPPPSSELS-----VEYKC 1667
Db 332 NNV-----TWDKKAPICEII--SCEPPPTISNGDFYSNMRTSFHNGTVVTTYQC 377
QY 1668 EQGYG-----IGAVCSP-----LCVIP-SDPYMLPENITA 1697
Db 378 HTGPDGEQLFELVGRSICYTSKDDQGVWSSPPRCISTNKCTAPEVENAIRVEGNRSF 437
QY 1698 DTLEHWM---EP---VKQSVICTGRROWHPDVLVHCIOSECP 1735
Db 438 FTLEIIRFCQPGFVWVGSHTVQCOTNGRW--GPKLPHCSRVQCP 481

RESULT 14
US-10-995-561-955
; Sequence 955, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 955
; LENGTH: 790
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-955

Query Match 2.6%; Score 253.5; DB 6; Length 790;
Best Local Similarity 22.1%; Pred. No. 6.6e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;
QY 1382 GQSCIH-RPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCAITCQRGFALQASSGQYIRPM 1440
Db 191 GPECEYVRECGELELPQHVLNCSHPLGNFSFN---SQCSFHCTDGYQVNG-----PS 240
QY 1441 QKEILLTSSGHW-DQNVSCLPVDCGVDPDSLNVYANFSCSEGTFLKR---CSISC--- 1493
Db 241 KLECL---ASGIWTKPKPQCLAQC--PLKIPERGNMTCLHSAKAFQHQSSECSFSCEEG 295
QY 1494 ---VPPAKLOGLSPWLTCLLEDGLWSLPEVYCK-LEC---DAP-----PILNANLL 1537
Db 296 FALVGPPEVQ-----CTASGVWTAAPAVCKAVQCQHLLEAPSEGTMDCVHPLTAFA--- 345
QY 1538 LPHCLQDNHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEGIWEQ--GSCIPVVC 1595
Db 346 -----YSSCKFECPGY-----RVRG-LDMLRCIDSGHWSAPLPTCEAISC 386
QY 1596 EPPPVFEGMTYECT---NGFSLDSQCVLNCNQE---REKLPILCTKEGLWTQEFKLCENTL 1649
Db 387 EPLSPVHGSMDCSPSLRAFOYDTNCSFRCAEGFMLRGADIVRCDNLCQWTAAPAVCQAL 446
QY 1650 QGECPPPPSELSVVEYKCEQGYG--IGAVCS-----P 1679

Db 447 QCQDLVP--NEARVNCNSHPFGAFRYQSVCSFTCNEGLLVGASVLQCLATGNMNSVPP 503
QY 1680 LCVIPSPDPMLEPENITADTLEHWMPEVKVQS-----IVCTGRRO 1719
Db 504 EQQAIPTCTPLSPQNGTMTC---VQPLGSSSYKSTCQFICDEGYSLGPERLDCTRSGR 559
QY 1720 WHPDVLVHCIOGCEPFQAD-GWCDTINR-----AYCHY--DGC-----DCCSS 1761
Db 560 WTDSPMCEAIKCELPFAPEQGLDCSDTRGEFNVGSTCHFSCDNGFKLEGPNNVECTTS 619

RESULT 15
US-10-995-561-957
; Sequence 957, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 957
; LENGTH: 830
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-957

Query Match 2.6%; Score 253.5; DB 6; Length 830;
Best Local Similarity 22.1%; Pred. No. 7.1e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;
QY 1382 GQSCIH-RPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCAITCQRGFALQASSGQYIRPM 1440
Db 191 GPECEYVRECGELELPQHVLNCSHPLGNFSFN---SQCSFHCTDGYQVNG-----PS 240
QY 1441 QKEILLTSSGHW-DQNVSCLPVDCGVDPDSLNVYANFSCSEGTFLKR---CSISC--- 1493
Db 241 KLECL---ASGIWTKPKPQCLAQC--PLKIPERGNMTCLHSAKAFQHQSSECSFSCEEG 295
QY 1494 ---VPPAKLOGLSPWLTCLLEDGLWSLPEVYCK-LEC---DAP-----PILNANLL 1537
Db 296 FALVGPPEVQ-----CTASGVWTAAPAVCKAVQCQHLLEAPSEGTMDCVHPLTAFA--- 345
QY 1538 LPHCLQDNHDVGTICKYECKPGYVAESAEGKVRNKLKIQCLEGIWEQ--GSCIPVVC 1595
Db 346 -----YSSCKFECPGY-----RVRG-LDMLRCIDSGHWSAPLPTCEAISC 386
QY 1596 EPPPVFEGMTYECT---NGFSLDSQCVLNCNQE---REKLPILCTKEGLWTQEFKLCENTL 1649
Db 387 EPLSPVHGSMDCSPSLRAFOYDTNCSFRCAEGFMLRGADIVRCDNLCQWTAAPAVCQAL 446
QY 1650 QGECPPPPSELSVVEYKCEQGYG--IGAVCS-----P 1679
Db 447 QCQDLVP--NEARVNCNSHPFGAFRYQSVCSFTCNEGLLVGASVLQCLATGNMNSVPP 503
QY 1680 LCVIPSPDPMLEPENITADTLEHWMPEVKVQS-----IVCTGRRO 1719
Db 504 EQQAIPTCTPLSPQNGTMTC---VQPLGSSSYKSTCQFICDEGYSLGPERLDCTRSGR 559
QY 1720 WHPDVLVHCIOGCEPFQAD-GWCDTINR-----AYCHY--DGC-----DCCSS 1761
Db 560 WTDSPMCEAIKCELPFAPEQGLDCSDTRGEFNVGSTCHFSCDNGFKLEGPNNVECTTS 619

Search completed: January 30, 2006, 15:31:31
Job time : 30.3219 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:15:43 ; Search time 99.4703 Seconds
(without alignments)
7523.174 Million cell updates/sec

Title: US-09-983-025B-2
Perfect score: 9856
Sequence: 1 MMCLKILRISLAILAGWALC.....AADCDLDECTCRDPKAEENQ 1791

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:*
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	9856	100.0	1791	3	US-09-983-025-2 Sequence 2, Appli
2	9836	99.8	1791	3	US-09-827-998-3 Sequence 3, Appli
3	9836	99.8	1791	4	US-10-675-685-3 Sequence 3, Appli
4	9507	96.5	1770	3	US-09-827-998-10 Sequence 10, Appli
5	9507	96.5	1770	4	US-10-675-685-10 Sequence 10, Appli
6	7363	74.7	1385	3	US-09-827-998-16 Sequence 16, Appli
7	7363	74.7	1385	4	US-10-675-685-16 Sequence 16, Appli
8	3916.5	39.7	1627	3	US-09-983-025-25 Sequence 25, Appli
9	3916.5	39.7	1627	4	US-10-295-027-663 Sequence 663, Appli
10	3916.5	39.7	1627	5	US-10-783-311-1 Sequence 1, Appli
11	3916.5	39.7	1627	5	US-10-741-600-1406 Sequence 1406, Appli
12	3916.5	39.7	1627	5	US-10-991-321-32 Sequence 32, Appli
13	3916.5	39.7	1627	5	US-10-887-229A-8 Sequence 8, Appli
14	3914.5	39.7	1547	5	US-10-783-311-2 Sequence 2, Appli
15	3909.5	39.7	1752	5	US-10-450-763-41497 Sequence 41497, A
16	3602	36.5	1420	5	US-10-741-600-1403 Sequence 1403, Ap
17	3602	36.5	1420	5	US-10-741-600-1405 Sequence 1405, Ap
18	3044	30.9	1232	5	US-10-741-600-1404 Sequence 1404, Ap
19	2219	22.5	858	4	US-10-334-143-85 Sequence 85, Appli
20	1893	19.2	704	5	US-10-741-600-1402 Sequence 1402, Ap
21	1086	11.0	192	3	US-09-864-761-34265 Sequence 34265, A
22	383	3.9	70	3	US-09-864-761-34264 Sequence 34264, A
23	360.5	3.7	165	3	US-09-864-761-42873 Sequence 42873, A
24	346.5	3.5	3567	4	US-10-028-248A-47 Sequence 47, Appli
25	346.5	3.5	3567	4	US-10-107-782-47 Sequence 47, Appli
26	336.5	3.4	3571	4	US-10-603-283-2 Sequence 2, Appli
27	336.5	3.4	3594	3	US-09-911-842-4 Sequence 4, Appli

28	336.5	3.4	3594	4	US-10-150-821-4	Sequence 4, Appli
29	334.5	3.4	3557	4	US-10-295-027-430	Sequence 430, App
30	334.5	3.4	3557	4	US-10-295-027-1297	Sequence 1297, Ap
31	332.5	3.4	3568	4	US-10-028-248A-8	Sequence 8, Appli
32	332.5	3.4	3568	4	US-10-107-782-8	Sequence 8, Appli
33	332.5	3.4	3570	4	US-10-028-248A-6	Sequence 6, Appli
34	332.5	3.4	3570	4	US-10-107-782-6	Sequence 6, Appli
35	330.5	3.4	3571	3	US-09-911-842-2	Sequence 2, Appli
36	330.5	3.4	3571	4	US-10-150-821-2	Sequence 2, Appli
37	324	3.3	63	3	US-09-864-761-34262	Sequence 34262, A
38	292.5	3.0	2489	3	US-09-911-842-5	Sequence 5, Appli
39	292.5	3.0	2489	4	US-10-150-821-5	Sequence 5, Appli
40	292.5	3.0	2489	5	US-10-741-600-1242	Sequence 1242, Ap
41	290	2.9	3564	4	US-10-016-248-45	Sequence 45, Appli
42	287.5	2.9	2039	5	US-10-741-600-1241	Sequence 1241, Ap
43	287.5	2.9	2039	5	US-10-450-763-30646	Sequence 30646, A
44	287.5	2.9	2044	4	US-10-276-774-2152	Sequence 2152, Ap
45	287	2.9	1947	5	US-10-742-887-52	Sequence 52, Appli

ALIGNMENTS

RESULT 1
US-09-983-025-2
; Sequence 2, Application US/09983025
; Publication No. US20030124529A1
; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGAARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG-1A
; CURRENT FILING DATE: 2001-10-22
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: US 60/241,840
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(66)
; OTHER INFORMATION: prepro part of PAPP-A2
; NAME/KEY: misc feature
; LOCATION: (67)..(699)
; OTHER INFORMATION: pro part of PAPP-A2
; US-09-983-025-2

Query Match 100.0%; Score 9856; DB 3; Length 1791;
Best local similarity 100.0%; Pred. No. 0;
Matches 1791; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MMCLKILRISLAILAGWALCSANSSELGTRKSLVEREHLNQVLLGERCWLGA	KRRPR	60
DB	1	MMCLKILRISLAILAGWALCSANSSELGTRKSLVEREHLNQVLLGERCWLGA	KRRPR	60
QY	61	ASPOHLEGVYPSRAGNYLRPYVGEQIHTGRSKPDTEGNVSLVPPDLTENPA	GLRG	120
DB	61	ASPOHLEGVYPSRAGNYLRPYVGEQIHTGRSKPDTEGNVSLVPPDLTENPA	GLRG	120
QY	121	AVEEPAPWVGDSPIGSELGDDDAYLGNORSKESLGEAGIOKSAMAATT	TAIFTL	180
DB	121	AVEEPAPWVGDSPIGSELGDDDAYLGNORSKESLGEAGIOKSAMAATT	TAIFTL	180
QY	181	NEPKPETORRGWAKSRORQVWKRAEDGQDSGISSHFQWPWKSLKRVKKS	PPESN	240
DB	181	NEPKPETORRGWAKSRORQVWKRAEDGQDSGISSHFQWPWKSLKRVKKS	PPESN	240

QY 241 QNGEGSYREAFETNSQVGLPILYFSGRRELLRPEVLAEIPREAFTEAWKPEGQN 300
Db 241 QNGEGSYREAFETNSQVGLPILYFSGRRELLRPEVLAEIPREAFTEAWKPEGQN 300
QY 301 NPAILAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFPSLCTDRYKATILISHSRQ 360
Db 301 NPAILAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFPSLCTDRYKATILISHSRQ 360
QY 361 PGTWTHVAATYDGRHALLYVDGTQVASSLDQSPPLNSPFMASCRLSLGDSSEDGHYR 420
Db 361 PGTWTHVAATYDGRHALLYVDGTQVASSLDQSPPLNSPFMASCRLSLGDSSEDGHYR 420
QY 421 GHLGTLVFWSTALPQSHFQHSQHSSEGEATDVLVTASFEPVNTENVPRDEKYPRLEV 480
Db 421 GHLGTLVFWSTALPQSHFQHSQHSSEGEATDVLVTASFEPVNTENVPRDEKYPRLEV 480
QY 481 LQGFEPPEPELISPLQPLCGQTVCNVELISQYNGWPLRGEKVIRYQVNICDEGLNP 540
Db 481 LQGFEPPEPELISPLQPLCGQTVCNVELISQYNGWPLRGEKVIRYQVNICDEGLNP 540
QY 541 IVSEEQIRLQHEALNEAFSRYNISWQLSVQVHNSTLRHRVVLVNCESKIGNDHCPEC 600
Db 541 IVSEEQIRLQHEALNEAFSRYNISWQLSVQVHNSTLRHRVVLVNCESKIGNDHCPEC 600
QY 601 EHLPTGYDGDGCRLOGRCYSMNRDGLCHYECNNMLNDFDDGDCDQVADVKTCFDPD 660
Db 601 EHLPTGYDGDGCRLOGRCYSMNRDGLCHYECNNMLNDFDDGDCDQVADVKTCFDPD 660
QY 661 SPKRAYMSVKELKEALQLNSTHFLNIFYASSVREDLAGAATWPMKDAVTHLGGIVLSPA 720
Db 661 SPKRAYMSVKELKEALQLNSTHFLNIFYASSVREDLAGAATWPMKDAVTHLGGIVLSPA 720
QY 721 YYGMPGHTDTMIHEVGAVLGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKS 780
Db 721 YYGMPGHTDTMIHEVGAVLGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKS 780
QY 781 ELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARNHCYLDLVYQWTES 840
Db 781 ELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARNHCYLDLVYQWTES 840
QY 841 RKPTPIRPPMWIGQTNKSLTIHMLPRISGVVYDRASGLCGACTEDGTERQYVHTASSR 900
Db 841 RKPTPIRPPMWIGQTNKSLTIHMLPRISGVVYDRASGLCGACTEDGTERQYVHTASSR 900
QY 901 RVCDSGQWTPPEEAVGPRPDVQPCERPSLOAMSPEVHLYHMMNTVPCPTEGCSLELLFOHP 960
Db 901 RVCDSGQWTPPEEAVGPRPDVQPCERPSLOAMSPEVHLYHMMNTVPCPTEGCSLELLFOHP 960
QY 961 VQADTTLMTVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLHVDGKVSQV 1020
Db 961 VQADTTLMTVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLHVDGKVSQV 1020
QY 1021 KVTYFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSHRKFTDVE 1080
Db 1021 KVTYFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSHRKFTDVE 1080
QY 1081 VTPGQWQYOVLAEAGGELGEASPLNMHIGAPYCGDGKVSERLGECCDDGLVSGDGS 1140
Db 1081 VTPGQWQYOVLAEAGGELGEASPLNMHIGAPYCGDGKVSERLGECCDDGLVSGDGS 1140
QY 1141 KVCLEEGFNCVGEPSLCMYEGDGCIBEFERKTSIVDCGIYTPKGYLDQWATRAYSSHE 1200
Db 1141 KVCLEEGFNCVGEPSLCMYEGDGCIBEFERKTSIVDCGIYTPKGYLDQWATRAYSSHE 1200
QY 1201 DKKKCPVSLVTGEPHSLICTSYHPLDNHRLPLTGMFPCVASENETQDDRSEQPEGSLLKE 1260
Db 1201 DKKKCPVSLVTGEPHSLICTSYHPLDNHRLPLTGMFPCVASENETQDDRSEQPEGSLLKE 1260
QY 1261 DEVWLKVCFNRPGEARAIIFILTTDGLVGEHQOPTVTLYLITDVRGSNHSLGTYGLSCQH 1320
Db 1261 DEVWLKVCFNRPGEARAIIFILTTDGLVGEHQOPTVTLYLITDVRGSNHSLGTYGLSCQH 1320
QY 1321 NPLINVTHQNVLFHHTTSVLLNFSBPRVGISAVALRTSSRIGLSAPSNCSIDEQGNH 1380

Db 1321 NPLINVTHQNVLFHHTTSVLLNFSBPRVGISAVALRTSSRIGLSAPSNCSIDEQGNH 1380
QY 1381 QGQCTHRPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITTCQGFALQASSGQYIRPM 1440
Db 1381 QGQCTHRPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITTCQGFALQASSGQYIRPM 1440
QY 1441 QKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISVPPAKIQ 1500
Db 1441 QKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISISVPPAKIQ 1500
QY 1501 GLSPMLTCLIEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKPGY 1560
Db 1501 GLSPMLTCLIEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKPGY 1560
QY 1561 YVAESABGKVRNKLKIQCLEGGIWEQSGCIPVVCBPPPVFEGMYECTNGFSLDSQCVL 1620
Db 1561 YVAESABGKVRNKLKIQCLEGGIWEQSGCIPVVCBPPPVFEGMYECTNGFSLDSQCVL 1620
QY 1621 NCNOREKLPILCTKEGLWTQEFKLCENLQGECPPPSELSVEYKCEQGYGIGAVCSPL 1680
Db 1621 NCNOREKLPILCTKEGLWTQEFKLCENLQGECPPPSELSVEYKCEQGYGIGAVCSPL 1680
QY 1681 CVIPSPDPMLENITADTLEHMEPVKVQISVCTGRQWHPDVLVHCIOSCEPQADG 1740
Db 1681 CVIPSPDPMLENITADTLEHMEPVKVQISVCTGRQWHPDVLVHCIOSCEPQADG 1740
QY 1741 WCDTINNRAYCHYDGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1791
Db 1741 WCDTINNRAYCHYDGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1791

RESULT 2
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MdhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecm1ca Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3

Query Match 99.8%; Score 9836; DB 3; length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1788; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MMCLKILRISLAILAGWALCSANSELGWRKKSGLVEREHLNOVLLEGERCWLGAAYRRPR 60
Db 1 MMCLKILRISLAILAGWALCSANSELGWRKKSGLVEREHLNOVLLEGERCWLGAAYRRPR 60
QY 61 ASPQHLLFGVYPSRAGNYLRPYVGEQEIHTHGRSKPDTEGNVAVSLVPDLTENPAGLRG 120
Db 61 ASPQHLLFGVYPSRAGNYLRPYVGEQEIHTHGRSKPDTEGNVAVSLVPDLTENPAGLRG 120
QY 121 AVEEPAAPWVGDSPIGSELLGDDDAYLGNORSKESLGEAGIOKGSAMAAATTTAIFTTL 180
Db 121 AVEEPAAPWVGDSPIGSELLGDDDAYLGNORSKESLGEAGIOKGSAMAAATTTAIFTTL 180
QY 181 NEPKPETORGWAKSRQROVWKRAEDGQDGSITSSHQPMPKXSLKXRVKXSPPEESN 240
Db 181 NEPKPETORGWAKSRQROVWKRAEDGQDGSITSSHQPMPKXSLKXRVKXSPPEESN 240

Db 181 NEPKPETORRGWAKSRORRQVWKRAEDGQDGSIGISHFQBPWPKHSLKHRVKKSPPEESN 240
Qy 241 QNGEGSYREAEFTENSQVGLPILYFSGRRERLLRPEVLAEIPREAFTEAWVKPEGQON 300
Db 241 QNGEGSYREAEFTENSQVGLPILYFSGRRERLLRPEVLAEIPREAFTEAWVKPEGQON 300
Qy 301 NPATAGVFNCSHTVSDKGWALGIRSGDKGRDARFFFSLCTDRYKATILISHSRQY 360
Db 301 NPATAGVFNCSHTVSDKGWALGIRSGDKGRDARFFFSLCTDRYKATILISHSRQY 360
Qy 361 PGTWTHVATYDGRHMALYVDGTQVASSLDQSGPLNSPFMA5CRSLILGGDSSEDGHYFR 420
Db 361 PGTWTHVATYDGRHMALYVDGTQVASSLDQSGPLNSPFMA5CRSLILGGDSSEDGHYFR 420
Qy 421 GHLGTLVFWSTALPQSHFOHSSQHSGBEATDVLVTASFEPVNTWVPRDEKYPRL5V 480
Db 421 GHLGTLVFWSTALPQSHFOHSSQHSGBEATDVLVTASFEPVNTWVPRDEKYPRL5V 480
Qy 481 LQGFEPERELISPLQRPRLCGQTVCDNVELISQNGYWPRLRGEKVIRYOVN1CDEGLNP 540
Db 481 LQGFEPERELISPLQRPRLCGQTVCDNVELISQNGYWPRLRGEKVIRYOVN1CDEGLNP 540
Qy 541 IVSEEQIRLOHEALNEAFSRYNISWOLSVHQVHNSTLRHRVVLVNCBPSKIGNDHCDPEC 600
Db 541 IVSEEQIRLOHEALNEAFSRYNISWOLSVHQVHNSTLRHRVVLVNCBPSKIGNDHCDPEC 600
Qy 601 EHPLTGYDGGDCRLQGRCY5WNRDGLCHVECNMMLNDFDDGCCBOYADVKTCPDPD 660
Db 601 EHPLTGYDGGDCRLQGRCY5WNRDGLCHVECNMMLNDFDDGCCBOYADVKTCPDPD 660
Qy 661 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDKDAVTHLGGIVLSPA 720
Db 661 SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDKDAVTHLGGIVLSPA 720
Qy 721 YYGMPGHTDTMIHEVGHVGLYHVPKGV5SERESCNDPCKETVPSMETGDLCA5TAPTPKS 780
Db 721 YYGMPGHTDTMIHEVGHVGLYHVPKGV5SERESCNDPCKETVPSMETGDLCA5TAPTPKS 780
Qy 781 ELCREPEPSTDTCGTRFPGARFTNMYSTDDNCTDNFTPNQVARMHCYLDLVYQWMTES 840
Db 781 ELCREPEPSTDTCGTRFPGARFTNMYSTDDNCTDNFTPNQVARMHCYLDLVYQWMTES 840
Qy 841 RKPTPIPIPMVIGQTNKSLTIHMLPRLSGVVYDRASGLCGACTEGTFRQYVHTASSR 900
Db 841 RKPTPIPIPMVIGQTNKSLTIHMLPRLSGVVYDRASGLCGACTEGTFRQYVHTASSR 900
Qy 901 RVCDS5GYWTP5EAVGPRPDVQPC5PSIQAMSP5EVLHYMMNTVPC5TEGCSLELLFQHP 960
Db 901 RVCDS5GYWTP5EAVGPRPDVQPC5PSIQAMSP5EVLHYMMNTVPC5TEGCSLELLFQHP 960
Qy 961 VQADTLTLMTVSFFM5ESSQVLFDT5ELLENK5SVHLGPLDTFC5DPLTIKLHVDGK5SV 1020
Db 961 VQADTLTLMTVSFFM5ESSQVLFDT5ELLENK5SVHLGPLDTFC5DPLTIKLHVDGK5SV 1020
Qy 1021 KVTYTFDERIEIDALLTSQPHSPLCSG5C5R5VRYQVLRDPPFASGLPVVYVTHSHRKFTDVE 1080
Db 1021 KVTYTFDERIEIDALLTSQPHSPLCSG5C5R5VRYQVLRDPPFASGLPVVYVTHSHRKFTDVE 1080
Qy 1081 VTPGQMYQYVLA5EAG5GELG5EASPLNHIHGAPYCGDGK5SERLGE5CDDGDLV5GDGCS 1140
Db 1081 VTPGQMYQYVLA5EAG5GELG5EASPLNHIHGAPYCGDGK5SERLGE5CDDGDLV5GDGCS 1140
Qy 1141 KVC5EL5E5FNCV5G5P5SLCYM5EGD5ICEP5ERKTSIVDCGIYTPK5YLDQWATRAYSSHE 1200
Db 1141 KVC5EL5E5FNCV5G5P5SLCYM5EGD5ICEP5ERKTSIVDCGIYTPK5YLDQWATRAYSSHE 1200
Qy 1201 DKKKCPVSLVTG5EPHSLICTSYHPDL5PNHRPLTG5MFP5CVAS5ENETQD5R5EQ5EGSLKKE 1260
Db 1201 DKKKCPVSLVTG5EPHSLICTSYHPDL5PNHRPLTG5MFP5CVAS5ENETQD5R5EQ5EGSLKKE 1260
Qy 1261 DEVWLKVC5FNR5GEARAI5IFL5T5DGLV5G5HQ5PTV5TL5YLT5DVR5G5NHS5LGT5GL5CQH 1320
Db 1261 DEVWLKVC5FNR5GEARAI5IFL5T5DGLV5G5HQ5PTV5TL5YLT5DVR5G5NHS5LGT5GL5CQH 1320

Qy 1321 NPLINVTTHQNVLFHHTTSVLNFISSPRVGISAVALT5TSRIGLSAP5NCISEDEGQNH 1380
Db 1321 NPLINVTTHQNVLFHHTTSVLNFISSPRVGISAVALT5TSRIGLSAP5NCISEDEGQNH 1380
Qy 1381 QGQ5CIHR5PCGKQD5SCP5SLLDHADV5NCT5IGPGLMKCAITCQ5RGFALQ5ASSGQYIRPM 1440
Db 1381 QGQ5CIHR5PCGKQD5SCP5SLLDHADV5NCT5IGPGLMKCAITCQ5RGFALQ5ASSGQYIRPM 1440
Qy 1441 QKEILLTCSSGHWDQNV5CLPYDCGVPDP5SLVN5YANF5SC5EGTKFLKRC5IS5CVP5PAKLQ 1500
Db 1441 QKEILLTCSSGHWDQNV5CLPYDCGVPDP5SLVN5YANF5SC5EGTKFLKRC5IS5CVP5PAKLQ 1500
Qy 1501 GLSPMLTCL5EDGLMSLPEVYCKLECDAPITILANL1LPHCLQDNH5DVGTICKYECKPGY 1560
Db 1501 GLSPMLTCL5EDGLMSLPEVYCKLECDAPITILANL1LPHCLQDNH5DVGTICKYECKPGY 1560
Qy 1561 YVA5E5AGKVNRNKLKIQCLEGGIWEQ5CIPV5CEP5PP5V5F5EGMYECTNGF5LDSQCVL 1620
Db 1561 YVA5E5AGKVNRNKLKIQCLEGGIWEQ5CIPV5CEP5PP5V5F5EGMYECTNGF5LDSQCVL 1620
Qy 1621 NCNQ5REKLPILCTKEGLWQ5E5FKL5CNLQ5E5C5PP5P55ELN5VEYK5CEQ5Y5IGAV5C5PL 1680
Db 1621 NCNQ5REKLPILCTKEGLWQ5E5FKL5CNLQ5E5C5PP5P55ELN5VEYK5CEQ5Y5IGAV5C5PL 1680
Qy 1681 CVIP5SD5V5MLPENITADTLEH5N5EPKVQ5IVCTGRQ5WH5DEVLVH5CIQ5CEP5FQ5ANG 1740
Db 1681 CVIP5SD5V5MLPENITADTLEH5N5EPKVQ5IVCTGRQ5WH5DEVLVH5CIQ5CEP5FQ5ANG 1740
Qy 1741 WCDTINNRAYCHYDGGDC55STL5SKKVI5PFA5DCDL5DECTGRD5PKA5ENQ 1791
Db 1741 WCDTINNRAYCHYDGGDC55STL5SKKVI5PFA5DCDL5DECTGRD5PKA5ENQ 1791

RESULT 3
US-10-675-685-3
; Sequence 3, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-3

Query Match 99.8%; Score 9836; DB 4; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1788; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 MMCLKILRISLAILAGWALCSANSELGWTRK5SLVEREHLNOVLL5EGERCWL5GAKVRRPR 60
Db 1 MMCLKILRISLAILAGWALCSANSELGWTRK5SLVEREHLNOVLL5EGERCWL5GAKVRRPR 60
Qy 61 ASPQHLFGVYPSRAGNYLRPYVGEQ5IHTGR5K5PDT5GNAV5LVP5DULT5ENPAGLRG 120
Db 61 ASPQHLFGVYPSRAGNYLRPYVGEQ5IHTGR5K5PDT5GNAV5LVP5DULT5ENPAGLRG 120
Qy 121 AVE5PA5FWGDSPIGQ5ELLGDDAYLGNQ5K5ESL5GEAGIQG5AMAATTTAIFTTL 180
Db 121 AVE5PA5FWGDSPIGQ5ELLGDDAYLGNQ5K5ESL5GEAGIQG5AMAATTTAIFTTL 180

QY 181 NEPKPETQRGWAKSRQRQVWKRAEDGQDSGISSHFQBPWKHSILKIRVKKSPPEESN 240
| | | | |
Db 181 NEPKPETQRGWAKSRQRQVWKRAEDGQDSGISSHFQBPWKHSILKIRVKKSPPEESN 240
QY 241 ONGEGSYREAFETNSQVGLPILYFSGRRELLRPEVLAEIPREAFVEAWKPEGON 300
| | | | |
Db 241 ONGEGSYREAFETNSQVGLPILYFSGRRELLRPEVLAEIPREAFVEAWKPEGON 300
QY 301 NPAIIAGVFNDNSHTVSDKGWALGIRSGKDKGRDARFFFSLCTDRVKKATILISHSRQ 360
| | | | |
Db 301 NPAIIAGVFNDNSHTVSDKGWALGIRSGKDKGRDARFFFSLCTDRVKKATILISHSRQ 360
QY 361 PGTWTHVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMASCRSLILGGDSSEGHYFR 420
| | | | |
Db 361 PGTWTHVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMASCRSLILGGDSSEGHYFR 420
QY 421 GHLGTLVFWSTALPQSHFOHSSQHSGBEATDVLVTASFEPVNTENVPRDEKYPRLV 480
| | | | |
Db 421 GHLGTLVFWSTALPQSHFOHSSQHSGBEATDVLVTASFEPVNTENVPRDEKYPRLV 480
QY 481 LQGFEPPEIISPLQRPILCGQTVCDNVELISQYNGWMLRGEKVIRYQVNI CDDEGLNP 540
| | | | |
Db 481 LQGFEPPEIISPLQRPILCGQTVCDNVELISQYNGWMLRGEKVIRYQVNI CDDEGLNP 540
QY 541 IVSEEQIRLOHEALNEAFSRYNISWOLSHQVHNSTLRHRVVLVNCPEPSKIGNDHCDPEC 600
| | | | |
Db 541 IVSEEQIRLOHEALNEAFSRYNISWOLSHQVHNSTLRHRVVLVNCPEPSKIGNDHCDPEC 600
QY 601 EHPITGYDGGCRLQGRCYSWNRDGLCHVECNMMLNFDGDCCPQVADVVKTCFDPD 660
| | | | |
Db 601 EHPITGYDGGCRLQGRCYSWNRDGLCHVECNMMLNFDGDCCPQVADVVKTCFDPD 660
QY 661 SPKRAYMSVKEALQNSTHFLNIYFASVREDLAGAATWPDKDAVTHLGGIVLSPA 720
| | | | |
Db 661 SPKRAYMSVKEALQNSTHFLNIYFASVREDLAGAATWPDKDAVTHLGGIVLSPA 720
QY 721 YYGMPGHTDTMIEVGHVGLYHVFKGVSERESCNDRCKETVPSMETGDLCAADTAPTPKS 780
| | | | |
Db 721 YYGMPGHTDTMIEVGHVGLYHVFKGVSERESCNDRCKETVPSMETGDLCAADTAPTPKS 780
QY 781 ELCREPERPSTDCGTRFPGARFTNMYSTDDNCTDNFTPNQVARMHCYLDLVYQQWTES 840
| | | | |
Db 781 ELCREPERPSTDCGTRFPGARFTNMYSTDDNCTDNFTPNQVARMHCYLDLVYQQWTES 840
QY 841 RKPTPIRPPMWIGQTNKSLLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 900
| | | | |
Db 841 RKPTPIRPPMWIGQTNKSLLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 900
QY 901 RVCDSGTYWTPPEAVGPPVDQPCPSIQAWSPEVHLYHMMNTVPCPTEGCSLELLFQHP 960
| | | | |
Db 901 RVCDSGTYWTPPEAVGPPVDQPCPSIQAWSPEVHLYHMMNTVPCPTEGCSLELLFQHP 960
QY 961 VQADTLTLMVTSFFMESSQVLFDTTEILLENKESVHLGPLDTFCDIPLTIKLHVDGKVSgv 1020
| | | | |
Db 961 VQADTLTLMVTSFFMESSQVLFDTTEILLENKESVHLGPLDTFCDIPLTIKLHVDGKVSgv 1020
QY 1021 KVTTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVTHSHRKFTDVE 1080
| | | | |
Db 1021 KVTTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVTHSHRKFTDVE 1080
QY 1081 VTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGDLVSGDGCS 1140
| | | | |
Db 1081 VTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGDLVSGDGCS 1140
QY 1141 KVCLEEGENCVEPSLCYMEGEGDICEPFERKTSIVDCGIYTPRGYLDQWATRAYSSHE 1200
| | | | |
Db 1141 KVCLEEGENCVEPSLCYMEGEGDICEPFERKTSIVDCGIYTPRGYLDQWATRAYSSHE 1200
QY 1201 DKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFCVASENETQDDRSEQPEGSLKKE 1260
| | | | |
Db 1201 DKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFCVASENETQDDRSEQPEGSLKKE 1260
QY 1261 DEVWLKVCFNRPGEARAIIFLTTDGLVGEHQPTVTLYLTDVSGSNHSLGTYGLSCQH 1320
| | | | |

Db 1261 DEVWLKVCFNRPGEARAIIFLTTDGLVGEHQPTVTLYLTDVSGSNHSLGTYGLSCQH 1320
QY 1321 NPLIINVTHQNVLFHHTTSVLINFSSPRVGISAVALRTSSRIGLSAPSNCSISEDEQNH 1380
| | | | |
Db 1321 NPLIINVTHQNVLFHHTTSVLINFSSPRVGISAVALRTSSRIGLSAPSNCSISEDEQNH 1380
QY 1381 OGOSCIHRPCGKQDSCPSLLIDHADVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1440
| | | | |
Db 1381 OGOSCIHRPCGKQDSCPSLLIDHADVNCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1440
QY 1441 QKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISICVPAXLQ 1500
| | | | |
Db 1441 QKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNYANFSCSEGTKFLKRCISICVPAXLQ 1500
QY 1501 GLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKRGY 1560
| | | | |
Db 1501 GLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKRGY 1560
QY 1561 YVAESAEGKVRNKLKIQCLEGGIWEQSCIPVVCPEPPPVFEGMYECTNGFSLDSQCVL 1620
| | | | |
Db 1561 YVAESAEGKVRNKLKIQCLEGGIWEQSCIPVVCPEPPPVFEGMYECTNGFSLDSQCVL 1620
QY 1621 NCNQEREKLPILCTKEGLWTOEFKLCENLQGECPPPSELNSVEYKCEQGYGIGAVCSPL 1680
| | | | |
Db 1621 NCNQEREKLPILCTKEGLWTOEFKLCENLQGECPPPSELNSVEYKCEQGYGIGAVCSPL 1680
QY 1681 CVIIPSDPVMLENITADTLEHMEPVKQSVICTGRQWHPDPVLVHCISQCEPQADG 1740
| | | | |
Db 1681 CVIIPSDPVMLENITADTLEHMEPVKQSVICTGRQWHPDPVLVHCISQCEPQADG 1740
QY 1741 WCDTINNRAYCHYDGDCCSSTLSSKKVIFPAADCDLDECTCRDPKAENQ 1791
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Db 1741 WCDTINNRAYCHYDGDCCSSTLSSKKVIFPAADCDLDECTCRDPKAENQ 1791

RESULT 4
US-09-827-998-10
; Sequence 10, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-10

Query Match 96.5%; Score 9507; DB 3; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1732; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MMCLKILRISLAIAGNALCSANSELGWTRKKSIVREHLNOVLLLEGRCWLGAQVRRPR 60
| | | | |
Db 1 MMCLKILRISLAIAGNALCSANSELGWTRKKSIVREHLNOVLLLEGRCWLGAQVRRPR 60
QY 61 ASPOHHLFGVYPSRAGNYLRPYVGEQIHHHTGSKPDTEGNAVSLVPPDLTENPAGLRG 120
| | | | |
Db 61 ASPOHHLFGVYPSRAGNYLRPYVGEQIHHHTGSKPDTEGNAVSLVPPDLTENPAGLRG 120
QY 121 AVEEPAPWVGDSPIGQSELLGDDDAYLGNQRSKESLGEAGIQKGSAMAATTTAIFTTL 180
| | | | |

Db 121 AVEEPAPWVGDSPIGQSELLGDDDAYLGNORSKESLGEAGIQKGSAMAATTTAIFTTL 180
Qy 181 NEPKPETORRGWAKSRORQVWKRRRAEDQGDGSGISSHFQWPWKSLKHRVKKSPPEESN 240
Db 181 NEPKPETORRGWAKSRORQVWKRRRAEDQGDGSGISSHFQWPWKSLKHRVKKSPPEESN 240
Qy 241 QNGGEGSYREAEFTNSQVGLPILYFSGRRERLLRPEVLAEIPREAFVTEAMWKEGGON 300
Db 241 QNGGEGSYREAEFTNSQVGLPILYFSGRRERLLRPEVLAEIPREAFVTEAMWKEGGON 300
Qy 301 NPATLAGVFNCSHTVSDKGWALGIRSGDKGKRDARFFFSLCTDRVKKATILISHSRQ 360
Db 301 NPATLAGVFNCSHTVSDKGWALGIRSGDKGKRDARFFFSLCTDRVKKATILISHSRQ 360
Qy 361 PGTWTHVAATYDGRHMAlyVDGTQVASSLDQSGPLNSPFMAACRSLLLGGDSSEdGHYFR 420
Db 361 PGTWTHVAATYDGRHMAlyVDGTQVASSLDQSGPLNSPFMAACRSLLLGGDSSEdGHYFR 420
Qy 421 GHLGTLVWSTALPQSHFQHSQHSSEEEATDLVLTASFEPVTEWVPFRDEKYPRLEV 480
Db 421 GHLGTLVWSTALPQSHFQHSQHSSEEEATDLVLTASFEPVTEWVPFRDEKYPRLEV 480
Qy 481 LQGFEBEPEILSPLOPLCGQTVCDNVELISQNGYWPRLRGEKYIRYQVNICDEGLNP 540
Db 481 LQGFEBEPEILSPLOPLCGQTVCDNVELISQNGYWPRLRGEKYIRYQVNICDEGLNP 540
Qy 541 IVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGNDHCDPEC 600
Db 541 IVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGNDHCDPEC 600
Qy 601 EHPLTGYDGGDCRLQGRCYSWNRBDGLCHVECNMMLNDFDDGCCDPQVADVKTCEFPD 660
Db 601 EHPLTGYDGGDCRLQGRCYSWNRBDGLCHVECNMMLNDFDDGCCDPQVADVKTCEFPD 660
Qy 661 SPKRAYNSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMDKDAVTHLGGIVLSPA 720
Db 661 SPKRAYNSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMDKDAVTHLGGIVLSPA 720
Qy 721 YYGMPGHTDTMIHEVGHVGLYHVFQVSERESNDPCKETVPSMETGDLCADTAPTPKS 780
Db 721 YYGMPGHTDTMIHEVGHVGLYHVFQVSERESNDPCKETVPSMETGDLCADTAPTPKS 780
Qy 781 ELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQQWTES 840
Db 781 ELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQQWTES 840
Qy 841 RKPTPIPIPMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 900
Db 841 RKPTPIPIPMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQYVHTASSR 900
Qy 901 RVCDSGGYWTPEEAVGPRPDVDQPCBSLQAWSPBVHLYHMMNTVPCPTEGCSLELLFQHP 960
Db 901 RVCDSGGYWTPEEAVGPRPDVDQPCBSLQAWSPBVHLYHMMNTVPCPTEGCSLELLFQHP 960
Qy 961 VQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVHDKVSGV 1020
Db 961 VQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVHDKVSGV 1020
Qy 1021 KYTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPRASGLPVVVTSHRKFTVYE 1080
Db 1021 KYTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPRASGLPVVVTSHRKFTVYE 1080
Qy 1081 VTPGQWYQVLAABAGGELGEASPPINHIGAPYCGDGKVSERLGEECDGDGLVSGDGS 1140
Db 1081 VTPGQWYQVLAABAGGELGEASPPINHIGAPYCGDGKVSERLGEECDGDGLVSGDGS 1140
Qy 1141 KVCLEEGFNVCGEPSLCYMEEGDGICEPERKTSIVDCGIYTPKGYLDQWATRAYSSHE 1200
Db 1141 KVCLEEGFNVCGEPSLCYMEEGDGICEPERKTSIVDCGIYTPKGYLDQWATRAYSSHE 1200
Qy 1201 DKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWPCVASENETQDDRSEQEGSLKKE 1260
Db 1201 DKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWPCVASENETQDDRSEQEGSLKKE 1260

Qy 1261 DEVWLKVCFNRPGEARAFITLTTDGLVPGEHQPTVTLYLTDVRGSNHS�GTyGLSCQH 1320
Db 1261 DEVWLKVCFNRPGEARAFITLTTDGLVPGEHQPTVTLYLTDVRGSNHS�GTyGLSCQH 1320
Qy 1321 NPLIINVTHQNVLFHHTTSVILNFSPPRVGISAVALRTSSRIGLSAPSNCISEDEGQNH 1380
Db 1321 NPLIINVTHQNVLFHHTTSVILNFSPPRVGISAVALRTSSRIGLSAPSNCISEDEGQNH 1380
Qy 1381 QGOSCIHRPCGKQDSCPSLLLDHADVWNCTSIGPGLMKCAITCQRGFALQASSGQYTRPM 1440
Db 1381 QGOSCIHRPCGKQDSCPSLLLDHADVWNCTSIGPGLMKCAITCQRGFALQASSGQYTRPM 1440
Qy 1441 QKEILLTSSGHWQNVSCLPVDCGVPDPSPLVNRYANFSCSGTKFLKRCISICVPPAKLQ 1500
Db 1441 QKEILLTSSGHWQNVSCLPVDCGVPDPSPLVNRYANFSCSGTKFLKRCISICVPPAKLQ 1500
Qy 1501 GLSPWLTCLLEDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKPGY 1560
Db 1501 GLSPWLTCLLEDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICKYECKPGY 1560
Qy 1561 YVASEABGKVRNKLKIQCLEGGIWEQSCIPVCEPPPPVEGMEYECTNGFSLDQCVL 1620
Db 1561 YVASEABGKVRNKLKIQCLEGGIWEQSCIPVCEPPPPVEGMEYECTNGFSLDQCVL 1620
Qy 1621 NCNQEREKLPILCTKEGLWTOEFKLCENLQGECPPPPELSNVEYKCEQGYIGAVCSPL 1680
Db 1621 NCNQEREKLPILCTKEGLWTOEFKLCENLQGECPPPPELSNVEYKCEQGYIGAVCSPL 1680
Qy 1681 CVIPSPDPVMLPENITADTLEHMMEPVKQSVCTGRQWHPDPVLVHCIOQCE 1734
Db 1681 CVIPSPDPVMLPENITADTLEHMMEPVKQSVCTGRQWHPDPVLVHCIOQCE 1734

RESULT 5
US-10-675-685-10
: Sequence 10, Application US/10675685
: Publication No. US20040063134A1
: GENERAL INFORMATION:
: APPLICANT: Gu, Yizhong
: TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
: FILE REFERENCE: PB0114
: CURRENT APPLICATION NUMBER: US/10/675, 685
: CURRENT FILING DATE: 2003-09-30
: PRIOR APPLICATION NUMBER: US 60/207, 456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 60/236, 359
: PRIOR FILING DATE: 2000-09-27
: NUMBER OF SEQ ID NOS: 1881
: SOFTWARE: Aecmica Sequence Labeling Engine
: SEQ ID NO 10
: LENGTH: 1770
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-675-685-10

Query Match 96.5%; Score 9507; DB 4; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1732; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 MMCLKILIRISLAIAGMALCSANSELGWTRKKSIVEREHLNQVLLGEGERCWLGAAYRRPR 60
Db 1 MMCLKILIRISLAIAGMALCSANSELGWTRKKSIVEREHLNQVLLGEGERCWLGAAYRRPR 60
Qy 61 ASPQHHLFGVYPSRAGNYLRPYVGEQEIHHHTGSKPDTEGNAVSLVPPDLTENDAGLRG 120
Db 61 ASPQHHLFGVYPSRAGNYLRPYVGEQEIHHHTGSKPDTEGNAVSLVPPDLTENDAGLRG 120
Qy 121 AVEEPAPWVGDSPIGQSELLGDDDAYLGNORSKESLGEAGIQKGSAMAATTTAIFTTL 180
Db 121 AVEEPAPWVGDSPIGQSELLGDDDAYLGNORSKESLGEAGIQKGSAMAATTTAIFTTL 180

QY	181	NEPKPETORRGWAKSRORQVWKRAEDGGDSGISSHFQWPWKSLKHRVKKSPPEESN	240
DB	181	NEPKPETORRGWAKSRORQVWKRAEDGGDSGISSHFQWPWKSLKHRVKKSPPEESN	240
QY	241	QNGEGSYREAEFENSQVGLPILYFSGRERLLLRPEVLAEIPREAFVEAWVKEGGON	300
DB	241	QNGEGSYREAEFENSQVGLPILYFSGRERLLLRPEVLAEIPREAFVEAWVKEGGON	300
QY	301	NPAIAGVFNCSHSTVSDKGWALGIRSGKDGKRDARFFFSICTDRYKATILISHSRQ	360
DB	301	NPAIAGVFNCSHSTVSDKGWALGIRSGKDGKRDARFFFSICTDRYKATILISHSRQ	360
QY	361	PGTWTHTAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMA5CRSLLIGDSSSDGHYFR	420
DB	361	PGTWTHTAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMA5CRSLLIGDSSSDGHYFR	420
QY	421	GHLGTLVWSTALPQSHFQHSQHS5GEEATDVLVTASFEPVNTWVPFRDEKYPRL5V	480
DB	421	GHLGTLVWSTALPQSHFQHSQHS5GEEATDVLVTASFEPVNTWVPFRDEKYPRL5V	480
QY	481	LOGFEPEPEIL5PLQPRLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNICDEGLNP	540
DB	481	LOGFEPEPEIL5PLQPRLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNICDEGLNP	540
QY	541	IVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNC5PSKIGNDHCDPEC	600
DB	541	IVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNC5PSKIGNDHCDPEC	600
QY	601	EHPLTGYDGGDCRLQGRCSY5WNRDGLCHVECNMMLNDFDDGCCDPQVADV5RKT5CFDPD	660
DB	601	EHPLTGYDGGDCRLQGRCSY5WNRDGLCHVECNMMLNDFDDGCCDPQVADV5RKT5CFDPD	660
QY	661	SPKRAYSVKELKEALQLNSTHFLNIYFASSVREDLAGAATW5PKDAVTHLGGIVL5PA	720
DB	661	SPKRAYSVKELKEALQLNSTHFLNIYFASSVREDLAGAATW5PKDAVTHLGGIVL5PA	720
QY	721	YYGMPGHDTMIHEVGHVLGLYHVF5KVSERES5NDPCKETVP5METGDL5CADTAPTPKS	780
DB	721	YYGMPGHDTMIHEVGHVLGLYHVF5KVSERES5NDPCKETVP5METGDL5CADTAPTPKS	780
QY	781	ELCREPEPTSDTCGTRFPGAPFTN5M5YTDNCTDNFTPNQVARMHCYLDLVYQOWTES	840
DB	781	ELCREPEPTSDTCGTRFPGAPFTN5M5YTDNCTDNFTPNQVARMHCYLDLVYQOWTES	840
QY	841	RKPTPIPIPPMWIGQTNKSLTIHMLP5ISGVVYDRASGSLCGACTEDGTFRQYVHTASSR	900
DB	841	RKPTPIPIPPMWIGQTNKSLTIHMLP5ISGVVYDRASGSLCGACTEDGTFRQYVHTASSR	900
QY	901	RVCDS5GYTP5EEAVGPPDVDPCEPSLQAM5PEVHL5HMMNTVPCPTEGCSLELLFQHP	960
DB	901	RVCDS5GYTP5EEAVGPPDVDPCEPSLQAM5PEVHL5HMMNTVPCPTEGCSLELLFQHP	960
QY	961	VQADTLTLWTS5FMESSQVLFDT5EILLENKESVHLGPLDTFCDIP5LTIK5LHVDGK5V5G	1020
DB	961	VQADTLTLWTS5FMESSQVLFDT5EILLENKESVHLGPLDTFCDIP5LTIK5LHVDGK5V5G	1020
QY	1021	KVYTFDERIEIDALLTSQPH5PLCSGCR5PVRYQVLRDP5FASGL5PVVYTHSHRKFTDVE	1080
DB	1021	KVYTFDERIEIDALLTSQPH5PLCSGCR5PVRYQVLRDP5FASGL5PVVYTHSHRKFTDVE	1080
QY	1081	VTPGQMYQV5LA5AGGELGEAS5PLNH5HAPYCGDGK5SERL5GEECD5DGLV5GDGCS	1140
DB	1081	VTPGQMYQV5LA5AGGELGEAS5PLNH5HAPYCGDGK5SERL5GEECD5DGLV5GDGCS	1140
QY	1141	KVCELEEGNCVGEPSLCYME5GDGICEP5ERKTSIVDCGITYPK5YLDQWATRAYSSHE	1200
DB	1141	KVCELEEGNCVGEPSLCYME5GDGICEP5ERKTSIVDCGITYPK5YLDQWATRAYSSHE	1200
QY	1201	DKKCPV5SLVTGEPHSLICTSYHPDL5PNHRPLTGWFPCVASENETODDR5EQEGSL5KKE	1260
DB	1201	DKKCPV5SLVTGEPHSLICTSYHPDL5PNHRPLTGWFPCVASENETODDR5EQEGSL5KKE	1260
QY	1261	DEVWLKVC5FN5R5GEARAI5IFL5T5D5GLV5GEHQ5PTV5TL5YLT5DVRGSNH5SLGT5YGL5CQH	1320

DB	1261	DEVWLKVC5FN5R5GEARAI5IFL5T5D5GLV5GEHQ5PTV5TL5YLT5DVRGSNH5SLGT5YGL5CQH	1320
QY	1321	NPLINVT5HQNVL5F5H5T5SVL5NF5SPRVGISAVALRT5SRIGLSAP5NCISEDEGQNH	1380
DB	1321	NPLINVT5HQNVL5F5H5T5SVL5NF5SPRVGISAVALRT5SRIGLSAP5NCISEDEGQNH	1380
QY	1381	QGS5CIHR5PCGKOD5CPSL5L5DHADV5NCT5IGPGLMKCAITCQ5RGFALQAS5GQYIRPM	1440
DB	1381	QGS5CIHR5PCGKOD5CPSL5L5DHADV5NCT5IGPGLMKCAITCQ5RGFALQAS5GQYIRPM	1440
QY	1441	QKEILLT5SSG5HWDQNV5CL5PVD5CGVPD5PSLVN5YAN5F5C5EGTKFLKRC5IS5CVPAKLQ	1500
DB	1441	QKEILLT5SSG5HWDQNV5CL5PVD5CGVPD5PSLVN5YAN5F5C5EGTKFLKRC5IS5CVPAKLQ	1500
QY	1501	GL5PWL5TCL5EDGLWSL5PEVY5CKL5ECDAP5IIL5NANL5L5PHCLQDNH5DVG5TICKYECKRGY	1560
DB	1501	GL5PWL5TCL5EDGLWSL5PEVY5CKL5ECDAP5IIL5NANL5L5PHCLQDNH5DVG5TICKYECKRGY	1560
QY	1561	YV5ESA5EGKV5RNKLKIQCL5EG5IWEQ5CIPV5C5EPP5PVFEGMYECTNGF5SLD5QCVL	1620
DB	1561	YV5ESA5EGKV5RNKLKIQCL5EG5IWEQ5CIPV5C5EPP5PVFEGMYECTNGF5SLD5QCVL	1620
QY	1621	NCNQ5EREKLPILCTKEGLW5Q5EFLCENLQ5GECPP5P5ELNSVEYK5CEQ5GYGIGAV5C5PL	1680
DB	1621	NCNQ5EREKLPILCTKEGLW5Q5EFLCENLQ5GECPP5P5ELNSVEYK5CEQ5GYGIGAV5C5PL	1680
QY	1681	CVI5P5SD5P5VML5PENITAD5LEH5M5EPV5KVQ5IVCTGRQ5WHPD5PVLVH5CIQ5CE	1734
DB	1681	CVI5P5SD5P5VML5PENITAD5LEH5M5EPV5KVQ5IVCTGRQ5WHPD5PVLVH5CIQ5CE	1734

RESULT 6
US-09-827-998-16

; Sequence 16, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MdhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-16

Query Match	74.7%;	Score 7363;	DB 3;	Length 1385;
Best Local Similarity	77.0%;	Pred. No. 0;		
Matches 1379;	Conservative	0;	Mismatches 6;	Indels 406; Gaps 1;
QY	1	MMCLKILRISLAI5LAGWALCSANSEL5G5TRK5SLVER5HLNQVL5EGER5CWL5GAKV5RRPR	60	
DB	1	MMCLKILRISLAI5LAGWALCSANSEL5G5TRK5SLVER5HLNQVL5EGER5CWL5GAKV5RRPR	60	
QY	61	AS5PQHL5FGV5PSRAGN5YLR5PYV5GEQ5IH5HT5GR5K5PD5TEGNA5V5L5P5PDL5TEN5PAG5LRG	120	
DB	61	AS5PQHL5FGV5PSRAGN5YLR5PYV5GEQ5IH5HT5GR5K5PD5TEGNA5V5L5P5PDL5TEN5PAG5LRG	120	
QY	121	AVE5EPA5PW5GDSPI5GQ5ELIGDD5DAYL5GNQ5R5K5ESL5GEAGIQ5GSAMA5ATT5TAIFTTL	180	
DB	121	AVE5EPA5PW5GDSPI5GQ5ELIGDD5DAYL5GNQ5R5K5ESL5GEAGIQ5GSAMA5ATT5TAIFTTL	180	
QY	181	NEPK5PETOR5RGWAK5SRQ5RWK5RAED5GQ5DSGIS5SHFQ5PWP5K5SLK5HRV5KK5SP5PEESN	240	

Db 181 NEPKPETQRGWAQKSRQRQVWKRAEDGQDGSIGSHFQWPWKHSLKHGVKKSPEESN 240
QY 241 QNGGEGSYREAEFTNSQVGLPILYFSGRERLLRPEVLAIPREAFTEAMVKEGGON 300
Db 241 QNGGEGSYREAEFTNSQVGLPILYFSGRERLLRPEVLAIPREAFTEAMVKEGGON 300
QY 301 NPAILAGVFDNCSHYVSDKGWALGIRSGKDKRDARFFFSLCTDRVKKATILISHSRYO 360
Db 301 NPAILA----- 306
QY 361 PGTWTHVAATYDGRNALYVDGTQVASSLDQSGPLNSPFMASCRLLLGDSSEGHYFR 420
Db 307 ----- 306
QY 421 GHLGTLVFWSTALPQSHFQSSQHSSEEAATDLVLTASFEPVNTIEWPFRDEKYPRLLEV 480
Db 307 ----- 306
QY 481 LQGFEEPEEILSPLOPPLCGQTVCDNVELISQYNGYWPRLGEKVIRYQVANI CDDEGLNP 540
Db 307 ----- 306
QY 541 IVSEEQIRLOHEALNEAFSRYNISWQSVHQNSTLRHRVVLVNCEPSKIGNDHCDPEC 600
Db 307 ----- 306
QY 601 EHPLTGYDGDCLRGRCYSWNRDGLCHVECNMINDFDGDCCDPQVADVKTCTFDPD 660
Db 307 ----- 306
QY 661 SPKRAYMSVKELKALQLNSTHFLNIYFASSVREDLAGAATWPMWKAATHLGIVLSPA 720
Db 307 -----GIVLSPA 314
QY 721 YYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSETGDLCADTAPTPKS 780
Db 315 YYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSETGDLCADTAPTPKS 374
QY 781 ELCREPEPTSDTCGFTFRPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQWTES 840
Db 375 ELCREPEPTSDTCGFTFRPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQWTES 434
QY 841 RKPTPIPIPMWIGOTNKSLLTIHMLPRISGVYVDRASGSLGACTEDGTFRQYVHTASSR 900
Db 435 RKPTPIPIPMWIGOTNKSLLTIHMLPRISGVYVDRASGSLGACTEDGTFRQYVHTASSR 494
QY 901 RVCDSGSGWTPBEAVGPPDVDQCEPSSLQAWSPEVHLYHMMNTVPCPTEGSLLELFOHP 960
Db 495 RVCDSGSGWTPBEAVGPPDVDQCEPSSLQAWSPEVHLYHMMNTVPCPTEGSLLELFOHP 554
QY 961 VOADTLTLWTSFPMESSQVLFDETEILLENKESVHLGPLDTFCDIPLTIKLHVDGKVS 1020
Db 555 VOADTLTLWTSFPMESSQVLFDETEILLENKESVHLGPLDTFCDIPLTIKLHVDGKVS 614
QY 1021 KVTTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHSHRKT DVE 1080
Db 615 KVTTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHSHRKT DVE 674
QY 1081 VTPGOMYQYQVLAAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGLVSGDGS 1140
Db 675 VTPGOMYQYQVLAAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGLVSGDGS 734
QY 1141 KVCLEEGFNVCGEPSLCYMEGDGICEPFEKTSIVDCGIYTPKGYLDQWATRAYSSHE 1200
Db 735 KVCLEEGFNVCGEPSLCYMEGDGICEPFEKTSIVDCGIYTPKGYLDQWATRAYSSHE 794
QY 1201 DKKKCPVSLVTGEBHSLICTSYHPLPNHRPLTGMFPCVASENETQDRSEQPEGSLKKE 1260
Db 795 DKKKCPVSLVTGEBHSLIRTSYHPLPNHRPLTGMFPCVASENETQDRSEQPEGSLKKE 854
QY 1261 DEWMLKVCFNRPGEARAFIFLTDTGLVPGHQOPTVTLYLTDVRGSNHSGLTYGLSCQH 1320
Db 855 DEWMLKVCFNRPGEARAFIFLTDTGLVPGHQOPTVTLYLTDVRGSNHSGLTYGLSCQH 914

QY 1321 NPLIINTVTHQNVLEFHTTSVLLNFSSPRVGISAVALTRTSSRIGLSAPSNCSISEDEQNH 1380
Db 915 NPLIINTVTHQNVLEFHTTSVLLNFSSPRVGISAVALTRTSSRIGLSAPSNCSISEDEQNH 974
QY 1381 OGOSCIHRPCGKODSCPSLLLDHADVNVCTSIGPGLMKCAITCQRGFALQASSGQYIRPM 1440
Db 975 OGOSCIHRPCGKODSCPSLLLDHADVNVCTSIGPGLMKCAITCQRGFALQASSGQYIRPM 1034
QY 1441 OKEILLTSSGHWQNVSLPVDGVPDPSLVNYANFSCESEGTFLKRCGISCVPAKLQ 1500
Db 1035 OKEILLTSSGHWQNVSLPVDGVPDPSLVNYANFSCESEGTFLKRCGISCVPAKLQ 1094
QY 1501 GLSPWLTCLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGY 1560
Db 1095 GLSPWLTCLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGY 1154
QY 1561 YVAESAEGKYRNKLLKIQCLEGGIWEQSCIPVCEPPPVFEGMYECTNGFSLDSQCVL 1620
Db 1155 YVAESAEGKYRNKLLKIQCLEGGIWEQSCIPVCEPPPVFEGMYECTNGFSLDSQCVL 1214
QY 1621 NCNQERKLPILCTKEGLMTQEFKLCENLQGECPRPPESELNSVEYKCEQYIGAVCSPL 1680
Db 1215 NCNQERKLPILCTKEGLMTQEFKLCENLQGECPRPPESELNSVEYKCEQYIGAVCSPL 1274
QY 1681 CVIPSPDPMLENITADTLEHMMPEPVYQSVICTGRQWHPDPVLVHCIOCEPFOADG 1740
Db 1275 CVIPSPDPMLENITADTLEHMMPEPVYQSVICTGRQWHPDPVLVHCIOCEPFOADG 1334
QY 1741 WCDTINNRAYCHYDGDCCSSTLSKKVIFPAADCDLDECTCRDPRAEENQ 1791
Db 1335 WCDTINNRAYCHYDGDCCSSTLSKKVIFPAADCDLDECTCRDPRAEENQ 1385

RESULT 7
US-10-675-685-16
; Sequence 16, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-675-685-16

Query Match 74.7%; Score 7363; DB 4; Length 1385;
Best Local Similarity 77.0%; Pred. No. 0;
Matches 1379; Conservative 0; Mismatches 6; Indels 406; Gaps 1;
QY 1 MMCLKIRISLAIIAGMALCSANSELGWTTRKSLVEREHLNVLLEGRCWLGAQVRRPR 60
Db 1 MMCLKIRISLAIIAGMALCSANSELGWTTRKSLVEREHLNVLLEGRCWLGAQVRRPR 60
QY 61 ASPQHLFGVYPSRAGNYLRPYVGEQEIHTGRSKPDTEGNVSLVPPDLTENPAGLRG 120
Db 61 ASPQHLFGVYPSRAGNYLRPYVGEQEIHTGRSKPDTEGNVSLVPPDLTENPAGLRG 120
QY 121 AVEEPAPWVGDSPIGOSELLGDDAYLVGNQSKESLGEAGIOKGSAMAATTTAFTTL 180
Db 121 AVEEPAPWVGDSPIGOSELLGDDAYLVGNQSKESLGEAGIOKGSAMAATTTAFTTL 180

QY	181	NEPKPETQRRGWAKSRQRRQVWKRAEDGQGDGSGISSHFQDMPKHSLKHRVKKSPPEESN	240
Db	181	NEPKPETQRRGWAKSRQRRQVWKRAEDGQGDGSGISSHFQDMPKHSLKHGKKSPPEESN	240
QY	241	QNGEGGSYREAETFNSEQVGLPIIFYSGRRERLLRPEVLAETIPREAFTVEAMWKPEGGON	300
Db	241	QNGEGGSYREAETFNSEQVGLPIIFYSGRRERLLRPEVLAETIPREAFTVEAMWKPEGGON	300
QY	301	NPAIAGVFDNCSHTVSDKGMALGIRSGDKGKRDAFFFFSLCTDRVKATILISHRYQ	360
Db	301	NPAIIA-----	306
QY	361	PGTWTHVAATYDGRHMALVYDGTQVASSLDQSGPLNSPFMACSRLLGGDSSEGDHYFR	420
Db	307	-----	306
QY	421	GHLGLTVFWSTALPOSHFQHSQHSSEEBEATDLVLTASFEPVNTEWVPFRDEKYPRLV	480
Db	307	-----	306
QY	481	LQGFEPPEILSPLQPPLCGQTVCDNVELISQYNGWPLRGEKVIROYVNICDDEGLNP	540
Db	307	-----	306
QY	541	IVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGNDHCDPEC	600
Db	307	-----	306
QY	601	EHPLTGYDGDCLQGRCSWNRRDGLCHVECNNMLNFDGDCDDPQVADVRAKTCFPDP	660
Db	307	-----	306
QY	661	SPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGATWPDKDAVTHLGGIVLSPA	720
Db	307	-----GGIVLSPA	314
QY	721	YYGMPGHTDTMIHEVGHVLGLYHFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKS	780
Db	315	YYGMPGHTDTMIHEVGHVLGLYHFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKS	374
QY	781	ELCREPEPTSDTCGFTFPGAPFTNMYSYTDNCTDNFTPNQVARMHCYLDLVYQQWTES	840
Db	375	ELCREPEPTSDTCGFTFPGAPFTNMYSYTDNCTDNFTPNQVARMHCYLDLVYQQWTES	434
QY	841	RKPTPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASGSLGACTEDGTFRQYVHTASSR	900
Db	435	RKPTPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASGSLGACTEDGTFRQYVHTASSR	494
QY	901	RVCDSGGYWTPEEAVGPPVDQPCESPLOAMSPEVHLYHNMNTVPCPTEGCSLELFFQHP	960
Db	495	RVCDSGGYWTPEEAVGPPVDQPCESPLOAMSPEVHLYHNMNTVPCPTEGCSLELFFQHP	554
QY	961	VQADTLTLMWTSFFMESSQVLFDEILLENKESVHLGPLDTFCDIPLTIKLHVDKGVSGV	1020
Db	555	VQADTLTLMWTSFFMESSQVLFDEILLENKESVHLGPLDTFCDIPLTIKLHVDKGVSGV	614
QY	1021	KVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPASGLPVVVTSHRKFDTVE	1080
Db	615	KVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPASGLPVVVTSHRKFDTVE	674
QY	1081	VTPGQMYQOVLAEAGELGEASPLNHIHGAPYCGDGKYSERLGEBCDDGDLVSGDGS	1140
Db	675	VTPGQMYQOVLAEAGELGEASPLNHIHGAPYCGDGKYSERLGEBCDDGDLVSGDGS	734
QY	1141	KVCELEEGFNCVGEPSLCMYEGBDICEBPERKTSIVDCGIYTPKGYLDQWATRAYSSHE	1200
Db	735	KVCELEEGFNCVGEPSLCMYEGBDICEBPERKTSIVDCGIYTPKGYLDQWATRAYSSHE	794
QY	1201	DKKKCPVSLVTGEPHSLICTSYHBDLPNHRPLTWGFPVVASENETQDDRSEQPEBSLKKE	1260
Db	795	DKKKCPVSLVTGEPHSLIRTSYHBDLPNHRPLTWGFPVVASENETQDDRSEQPEBSLKKE	854
QY	1261	DEVMWLKVCENRPGEARAIFILTLTDDGLVGEHQOPTVTLVLTDRGSNHSLGTYGLSCQH	1320

Dh	855	DEVMJKVCFNRPGEARAFIFLFTTDDGLVPGHHQPTVTLXYLTDVRGSNHSJGTGYLSCQH	914
Qy	1321	NPLINVTTHQNVLPHTTSTVLINFSSPRVGISAVALTSSRIGLSAPSNCSISEDEQNH	1380
Dh	915	NPLINVTTHQNVLPFRHTTSVLLNFSSPRVGISAVALTSSRIGLSAPSNCSISEDEQNH	974
Qy	1381	QGQSCIHRRPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCAITCQRGFALQASSGQYIRPM	1440
Dh	975	QGQSCIHRRPCGKQDSCPSLLLDHADVNVNCTSIGPGLMKCATTCQRGFALQASSGQYIRLM	1034
Qy	1441	QKEILLTSSSGHWDQNVSLPVDGVPDPSLVNYANFSCSEGTKFLKRCSISCVPPAKLQ	1500
Dh	1035	QKEILLTSSSGHWDQNVSLPVDGVPDPSLVNYANFSCSEGTKFLKRCSISCVPPAKLQ	1094
Qy	1501	GLSPWLTCLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGY	1560
Dh	1095	GLSPWLTCLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTICKYECKPGY	1154
Qy	1561	YVAESAEGKVANKLLKIQCLEGGIWEQSCIPVCEPPPPVFEGMYECTNGFSLDSQCVL	1620
Dh	1155	YVAESAEGKVANKLLKIQCLEGGIWEQSCIPVCEPPPPVFEGMYECTNGFSLDSQCVL	1214
Qy	1621	NCNQERREKLPICTKEGLWTOEFKLCENLOGBCPPPPSELSNVEYKCEQGYIGAVCSPPL	1680
Dh	1215	NCNQERREKLPICTKEGLWTOEFKLCENLOGBCPPPPSELSNVEYKCEQGYIGAVCSPPL	1274
Qy	1681	CVIPPSDPVMLPENITADTLEHMMBPAKYOSIVCTGRRQWHPDPVLVHCIGSCBEPQADG	1740
Dh	1275	CVIPPSDPVMLPENITADTLEHMMBPAKYOSIVCTGRRQWHPDPVLVHCIGSCBEPQADG	1334
Qy	1741	WCDTINNRAYCHYDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ	1791
Dh	1335	WCDTINNRAYCHYDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ	1385

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RESULT 8
US-09-983-025-25
; Sequence 25, Application US/09983025
; Publication No. US20030124529A1
; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG=1A
; CURRENT APPLICATION NUMBER: US/09/983, 025
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/241, 840
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: DK PA 2000 01571
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-025-25

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Query Match          39.7%; Score 3916.5; DB 3; Length 1627;
Best Local Similarity 45.8%; Pred. No. 1.4e-289;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY      249 REAETFNSQVGLP--ILYFSGRRL-LRPEVLAI PREAFTVEAMVKEGGONPAII 305
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DB      80 REARGATEPSPSRALYFSGRGEQLRVLRADL--ELPRDAFTLLQVWLRAEGGQSPAVI 137

QY      306 AGVFDCNSHTVSDKGMALGIRSGDKDKRDARFFFSLLCTDRVKKATILLISHSRYPGTWT 365
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB      138 TGLYDKCSYISRDGRGWVGIIHTISDQNDKDRYFFSLKTDRAQVTTINAHRSYLLPGQWV 197

QY      366 HVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMA SCRSLLLGDSSEDGHYFRGHLGT 425
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|

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Db 198 YLAATYDQFMKLYVNGAQAUVATSGEQVGIFSPITQCKVLMJGG--SALMHNRYGTYEH 255
QY 426 LVFWSTALPQSHFQHQSSQHSSEGEATDVLFTASFEPVNTWVPFRDEKYPRLV--LQG 483
Db 256 FSLWKVARTQREILSDMETHGAHTALPQLLLQENMDNVKHAWSPMKDSSPKYVEFSNAHG 315
QY 484 FEPEPEILSPLOPPLCGQTVCDNVELISQYNGYWPRLGEEKVIRYQVNVNICEDEGLNPIVS 543
Db 316 FLDD----TSLPEPLCGQTLCDNTEVIASYNQSSFRQPKVVRVYRVNLYEDDHKNPTVT 371
QY 544 EEQIRLOHEALNEAFSRKNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGNDHCEPEHP 603
Db 372 REQVDFQHQLAFAFKQYNISWELDVLEVSNSSLRRRLILANCDISKIGDENCDECNHT 431
QY 604 LTGYDGGDCR-LQGRCYSWNRDGLCHVECNMNLNDFDGDCCDPQVADVKTGFPDPS 662
Db 432 LTGHGDGDCRHLRHPAFVKKQHNQVCDMDCNYERFPDGGECDDPEITNVQTGCFDPDSP 491
QY 663 KRAYMSVKELKEALQLNSTHFLNIFYASSVREDLAGAATWPMWMDKAVTHLGGIVLSPAY 722
Db 492 HRAYLDVNELKNILKLDGSTHLNIFPAKSSEELAGVATWPMWKEALMHLGGIVLNSPFY 551
QY 723 GMPGHTDTMHEVGHVGLYHVEKGVSERESCNDPCKETVPBMTGDLCADTAPTPKSEL 782
Db 552 GMPGHTMTMHEIGHSGLYHVFGRGISEIGSCSDPCMETEBSFETGDLCDNTNPAFKHS 611
QY 783 CREPEPTSDTCGFTRRPGAPFTNYMSYTDNCTNFTPNQVARMHCYLDLVYQWTEBRK 842
Db 612 CGDPGPGNDTCGFHSFNTPTNNFMSYADDCTDSFTPNQVARMHCYLDLVYQWQPSRK 671
QY 843 PTPIPIPPMVGITNKSLLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQYVHTASSRRV 902
Db 672 PAPVALAPQVLGHTTDSVLEWFPRIIDGHFERELGSACHLCLEGRILVQYASNASSPMP 731
QY 903 CDSGYWTPPEAVGPPDVDPQCEPSLQAWSPREYHLYHMMNTVPCP-TEGCSLELLFQHPV 961
Db 732 CSPSGHWSPREAEGHPDVEQPCSSSVRTWSPNSAVNPHTVPRACPEPQGCYLELEFLYPL 791
QY 962 QADTLTLWVT--SFEWESSQVLFDTTEILLNKESVHLGRLDTFCDIPLTIKL-HVDGKVS 1018
Db 792 VPESLTIWTFVSTIDWSSGAVNDIKLAVSGKNISLGPQNVFCDDVPLTIRLMDVGEVY 851
QY 1019 GVKVYTFDERIEIDALLTSQHPSPSCGCRVRYQVLRDPPFASGLPVVYVTHSHRKFTD 1078
Db 852 GIQIYTLDEHLEIDAAMLTSTADTPLCLQCKPKYKVVDRPPLQMDVASIL-HLNRKFVD 910
QY 1079 VEVTGQMYQOYVLAAGGELGEASPRPLNHIGAPYCGDGKVSERLGEECDGDGLVSGDG 1138
Db 911 MDLNGSVYQYWWYITISGTESESPSPAVTYHGRGYCGDGI IQDQGEQCDMDNKNINGDG 970
QY 1139 CSKVCLEEGFNCVGEPSLCYMEGDCICEPERKTSIVDCGIYTPKGYLDQWATRAYSS 1198
Db 971 CSLFCRQEVSFNCIDEPSCRcyFHDGDVCEEFEQKTSIKDCGVYTPQGFILDQWASNASVS 1030
QY 1199 HEDKKKCPVSLVTGER-HSLICTSYHBDLPNHRPLTGMFPCVASENETQDRSEQPEGSL 1257
Db 1031 HQD-QQCPGWIIGQPAASQVCRKVIDLSEGISQHAMYPCTISYPYSG----- 1078
QY 1258 KKEDEVMLKVCFNRPGEARAIIFILTTDGLVGEHQOPTVTLTYLTDVRSNHSGLTYGLS 1317
Db 1079 LAQTFWLRAYFSQPMVAAAVIVHLVTDGYDQKQETISVQLDTRKQSHDLGLHLVS 1138
QY 1318 COHNPLIINTVTHQONVLFHHTTSVLLNFSRPVGISAVALRTSSRIGISAPNSCISEDEG 1377
Db 1139 CRNNPLIIPVHDLISQPFYHSQAVRVSFSSPLVAISGVALRSFDNFPVTLSSC-QRGET 1197
QY 1378 QNHQOSCIHRPCGKQDSCPSLLLDHADVNCSTSI---GRLMKCAITCORGFALQASS 1433
Db 1198 YSPAQSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG---AQCTVSCRTGYVLQIRR 1252
QY 1434 GQYIRPMQ--KEILLTSSGHWMDQVNSCLPVDGVPDPBPLVNYANFSGSEGTKFLKRC 1491
Db 1253 DDELIKSQTGSPSVTVTCTBGMKNKQVACEPDCSIPDHQVYAASFSCPEGTTFGSQCSF 1312

QY 1492 SCVPPAKLOGLSPMLTCLDGLMSLPEVYCKLECDAPPIILNANLLPHCIQDNHVG 1551
Db 1313 QCRHPAQLKGNNSLLTCMEDGLWSFPEALCELMCLAPPVNPADLQTAGCRENKHKVGSF 1372
QY 1552 CKYECKPGYVVAESAEGKVRNKLKIQCLEGIGWEQSCIPVWCEPPPVPEGMYECTNG 1611
Db 1373 CKYCKPGYHVPGSSR-KSKKRAFKTQCTQDGSWQEGACVPVTCDDPPPKHGLYQCTNG 1431
QY 1612 FSLDSQCVLN-----NQEREKLPILCTKEGLWTQEFKLCENTLOGECPPPSELNS-V 1665
Db 1432 FQFNSECRKICEBDSASQGLGNSVHCRKDGTVNGSFHVCQEMQGQC-SVENELNSNLKL 1490
QY 1666 KCEQGYGIGAVCSPLCVIPPSDPVMLPENITADTLEHMMEPVKVQSVICTGRROWHPDPV 1725
Db 1491 QCPDGYAIGSECATSCLDHANSEIILPMNVTVRDI PHWLNPTVERVYVCTAGLKWYPHPA 1550
QY 1726 LVHCIOGCEPPQADGWCDTINNRAYCHYDGDCCSSTLSSKKVIPPAADCDLD-ECTCRD 1784
Db 1551 LHCVKGCEPFMGDNYCDAINNRAFCNYDGGDCTSTVTKTKVTPFPMSCDLOGDCACRD 1610
QY 1785 PKABEN 1790
Db 1611 PQAQEH 1616

RESULT 9
US-10-295-027-663
; Sequence 663, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 663
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens

Db 138 TGLYDKCSYISDRGWVVGIIHTTISDQDNKDBRYFSLKTRDRARQVTTINAHRSYLPQWV 197
Qy 366 HVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFWASCRLLLGDSSEDGHYFRGHLGT 425
Db 198 YLAATYDQFMKLYNGAQVATSGEQVGIFSPLTQCKVLMLG--SALNHNRYGYIEH 255
Qy 426 LVFWSTALPQSHFQHSQHSSEBEATDVLTAFFEVPNTWVPFRDEKYPRLLEV--LOG 483
Db 256 FSLMKVARTQREILSDMETHGAHTALPQLLQENWDNVKAHMSPMKDSSPKVEFSNAHG 315
Qy 484 FEPEPEILSPLOPPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNICDDEGLNPIVS 543
Db 316 FLDD---TSLBPPLCGQTLCDNTEVIASYNQLSSFRQPKVRYRVVNLVEDDHKNPTVT 371
Qy 544 EEQIRLOHEALNEAFSRYNISWQSVHQVNSTLRHRVVLVNCPEPSKIGNDHCDECEHP 603
Db 372 REQVDFOHQHQAFAFKQYNIWELDVLEVNSSLRRLILANCDISKIGDENCDPECNHT 431
Qy 604 LTGYDGDGCR-LOGRCYSWNRDGLCHVECNMNLNDFDDGCCDPQVADVRKTCFDPDSP 662
Db 432 LTGHDGDCRHLRHPAFVKQKHNGVCDMDQNYERFNFDGECDDPEITNVYTCFDPDSP 491
Qy 663 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGATWPMWOKDATHLIGIVLSPAY 722
Db 492 HRAYLDVNELKNILKLDGSTHLNIFAKSSEELAGVATWPMWKEALMHLGIVLNSFY 551
Qy 723 GMPGHTDTMHEVGHVLGLYHVFKVSEKESCNDPCKETVPSMETGDLCADTAPTPKSEL 782
Db 552 GMPGHTDTMHEIGHSLGLYHVFGRGISEIQCSDPCMETERPSFETGDLCDNTNPAKHK 611
Qy 783 CREPEPTSDTCGFTTRPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQWTESRK 842
Db 612 CGDPGPGNDTCGFHSFNTPRYNNFMSYADDCTDSTPNQVARMHCYLDLVYQWQPSRK 671
Qy 843 PTPIPIPMVIGQTNKSLTIHMLPRISGVYDRASGSLCGACTEDGTFRQYVHTASSRRV 902
Db 672 PAPVALAPQYLGHGTTDSVTLWEPRIDGHFERELGSACHLCLEGRILVQYASNASSPMP 731
Qy 903 CDSGQWTPBEAVGPRPDVQPCERPSLQASPREVHLYHMMNTVPCP-TEGCSLELLFQHPV 961
Db 732 CSBGSQWSPREAEGRPDVEQPCSSVRTSPNSAVNPHTVPRACPEQCYLELEFLYPL 791
Qy 962 QADTLTWT--SFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKL-HVDGKVS 1018
Db 792 VPESLTIWTVSTWDSSGAVNDIKLAVSGKNISLGPQNVPCDVPLTIRLMDVGEVY 851
Qy 1019 GVKVYTPDERIEIDALLTSQHPSPSCGCRPVRYQVLRDPPFASGLPVVVTSHRKFTD 1078
Db 852 GIQYTLDEHLEIDAAMLSTADTPLCQCKPLKYKVRDPLQMDVASIL-HLNRKFVD 910
Qy 1079 VEVTQGMVQYVLAAGELGEASPRPLNHIGAPYCGDGKVSERLGECDGDGLVSGDG 1138
Db 911 MDLNLGSVYQYVWITISGTESESPRAYTYIHGRGYCGDGIQKQGEQDDMNKINGDG 970
Qy 1139 CSKVCLEBEGFNCVGEPSLCYMEEGDGICEPFERKTSIVDCGIYTPKGYLDQWATRAYSS 1198
Db 971 CSLFCRQEVSFNCIDEPSCYFHDGDGVEEPEQKTSIKDCGVYTFQGFILDQMASNASVS 1030
Qy 1199 HEDKKKCVSLVTGER-HSLICTSYHPLDPNHRPLTGMFPCVASENETQDDRSEQPEGST 1257
Db 1031 HQD-QQCFGWIIIGQPAASQVCRTKVIDLSEGISQAHWYPCITISYPSQ----- 1078
Qy 1258 KKEDEWLKVCFNRPGEARAFIFLTTDGLVGEHQOPTVTLVLDVGRGSNHSLGTYGLS 1317
Db 1079 LAQTTFWARAFYSQPMVAAVIVHLVTDGTYGYGQKQETISVQLDTPKQSHDLGLHVL 1138
Qy 1318 COHNPLINVTHQNVLFHHTSVLINESSPRVGISAVALARTSRIGLSAPSNCSISEDEG 1377
Db 1139 CRNNPLIPVVDLSQPFYHSQAVRVSSPLVAISGVALRSPDNFDEVTLLSSC-QRGFT 1197
Qy 1378 QNHQGSCTHRPCGKQDSCPSLLBDHADVYNCTSI---GPGIMKCAITCQRGFALQASS 1433
Db 1198 YSPAEGSCVHFACEKTD-CPELAVENAS-INCSSSDRYHG---AQCTVSCRTGYVLQIRR 1252

Qy 1434 GQYIRPMQ--KEILLTSSGHWDQNVSCLPVDCGVPDPSPSLVNTYANFGSCSEGTKFLKRC 1491
Db 1253 DDELIKSQTGSPSVTVTCTEGKWNQVACEPVDCSI PDHQVYAASFCEGTTFGSQCSF 1312
Qy 1492 SCVPAKLOGLSPWLTCLEDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTI 1551
Db 1313 QCRHPAQLKGNNSLLTCMEDGLWSFPEALCELMCLAPRPVPNADLOJARCRENHKXVGSF 1372
Qy 1552 CKYECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSSCIPVVCBPPPVFEGMECTNG 1611
Db 1373 CKYCKKPGYHVPSSSR-KSKKRAFKTQCTQDGSWQEGACVPVTCDBPPPKFHGLYQCTNG 1431
Qy 1612 FSLDSQCVLNC-----NQRREKLPICTKEGLWTQEPKLCENLOGECPPPPSELNS-V 1665
Db 1432 FQFNSECRICKEDSDASQGLGSNVIHCRKDGTMNGSFHVCCQEMQGC-SVPNELNSNLKL 1490
Qy 1666 KCEQGYGIGAVCSPLCVIPPSDPVMLPENITADTLEHMMEPVKQOSIVCTGRROMHPDV 1725
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDI PHWLNPTREVERVCTAGLKMYPHPA 1550
Qy 1726 LVHCIGCEPFOADGWCDTINNRAYGHYDGDCCSSTLSSKKVLPFAADCDLD-ECTCRD 1784
Db 1551 LIHCYKGEPEPFMGDNYCDAINNRAFCNYDGDCCSTVTKTKVTPFPMSCDLQGDCACRD 1610
Qy 1785 PKAEEN 1790
Db 1611 PQAQEH 1616

RESULT 11
US-10-741-600-1406
; Sequence 1406, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 1406
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-741-600-1406

Query Match 39.7%; Score 3916.5; DB 5; length 1627;
Best local Similarity 45.8%; Pred. No. 1.4e-289;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

Qy 249 REAETENSQVGLP--ILYFSGRRRL-LLRPEVLAEIPREAFTVEAWKPEGGQNNPAII 305
Db 80 REARGATEEPSPPSRALYFSGRGQLRVLRADL--ELPRDAFTLQVWLRABEGQORSPAVI 137
Qy 306 AGVPDNCSTVSDKGWALGIRSGDKGRDARFFFSLCTDRYKATILISHSRYPGTWT 365
Db 138 TGLYDKCSYISDRGWVVGIIHTTISDQDNKDBRYFSLKTRDRARQVTTINAHRSYLPQWV 197
Qy 366 HVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFWASCRLLLGDSSEDGHYFRGHLGT 425
Db 198 YLAATYDQFMKLYNGAQVATSGEQVGIFSPLTQCKVLMLG--SALNHNRYGYIEH 255
Qy 426 LVFWSTALPQSHFQHSQHSSEBEATDVLTAFFEVPNTWVPFRDEKYPRLLEV--LOG 483
Db 256 FSLMKVARTQREILSDMETHGAHTALPQLLQENWDNVKAHMSPMKDSSPKVEFSNAHG 315
Qy 484 FEPEPEILSPLOPPLCGQTVCDNVELISQYNGWPLRGEKVIRYQVNICDDEGLNPIVS 543
Db 316 FLDD---TSLBPPLCGQTLCDNTEVIASYNQLSSFRQPKVRYRVVNLVEDDHKNPTVT 371

Qy 544 EEQIRLOHEALNEAFSRYNISWOLSVHOVNSTLRHRVVLVNCESKIGNDHCDECEHP 603
Db 372 REQVDFQHHQLAFAFKQYNISWELDVLEVSNSSLRRLLILANCDISKIGENDCDECNHT 431
Qy 604 LTGYDGDGCR-LQGRCYSWNRBDGLCHVECNMMLNDFDDGCCDQVADVKTCTFDPDSP 662
Db 432 LTGHGDGDCRHLRHPAFVKQKHNGVCMDCNYERFNFDGECCEDEITNVQTCTFDPDSP 491
Qy 663 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWPKDAVTHLGGIVLSPAY 722
Db 492 HRAYLDVNELNKILKLDGSTHLNIFFAKSSEELAGVATWPMWKEALMHLGGIVLNPSEY 551
Qy 723 GMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKSEL 782
Db 552 GMPGHTDTMIHEIGHSLGLYHVFRISEIQSCSDPCMETERPSFETGDLCDNTNPAPKHS 611
Qy 783 CREPEPTSDTCGFTRFPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLVYQOWTESRK 842
Db 612 CGDPGPNDTGFGHSFNTPYNNFMSYADDCTDSFTPNQVARMHCYLDLVYQOWPSRK 671
Qy 843 PTPRIPPMVIGQTNKSLTIHMLPRISGVYVDRASGLCGACTEDGTFRQYVHTASSRRV 902
Db 672 PAPVALAPQVLGHTTDSVLEWFPRIIGHFERELGSACHLCLEGRILLVQYASNASSPMP 731
Qy 903 CDSGCVTPDEAVPRPDVQPCERSLQAMSPVHLHYMMNTVPCP-TEGCSLELLFQHPV 961
Db 732 CSPSGHMSPREABGHPRDVEQPCSSVKTWSPNSAVNPHTVPRACPBPQGCYLELEFLYPL 791
Qy 962 QADTLTLVWT--SFMESSQVLFDETEILLENKESVHLGRLDTFCDIPLTIKL-HVDGKVS 1018
Db 792 VPBSLTIWTVSTWDSSGAVNDIKLIAVSGKNISLGPQNVFCVPLTIRLMDVGEVY 851
Qy 1019 GVKVYTFDERIEIDALLTSQHPSLSCGCRPVRYQVLRDPPFASGLPVVVTSHRKFTD 1078
Db 852 GIQIYTLDEHLEIDAAMLSTADTPLCQCKPLKYKVRDPLQMDVASIL-HLNRKFVD 910
Qy 1079 VEVTPOGMXQVLAELAGGELGEASPRLNHIGAPYCGDGKVSERLGECDGDGLVSGDG 1138
Db 911 MDLNGSVYQYVWITISGTESESPRAVYIHRGYCGDGIQKQGEQCDDMNKINGDG 970
Qy 1139 CSKVCLEBEFGNCVGEPSLCYMEGEGDICEPERKTSIVDCGIYTPKGYLDQWATRAYSS 1198
Db 971 CSLFCRGVSNFNCIDERSRCYFHDGDVCEEFQKTSIKDCGVYTPQGFLDQMASNASVS 1030
Qy 1199 HEDKKKCVSLVTGER-HSLICTSYHBDLPNHRPLTGMFPCVASENETODDRSEQPEGS 1257
Db 1031 HQD-QQCPGWWIIQOPASQVCRKTVLDSEGISQHAMYPCTISYPSQ----- 1078
Qy 1258 KKEDEWMLKVCENRPGEARAIFILTTDGLVPEHQPTVTLYLTVRGSNHSLTGYGLS 1317
Db 1079 LAQTFWLRAYFSQPMVAAVIHLVTDGTYGGDQKETISVOLDTKQSHDLGLHVLVS 1138
Qy 1318 COHNPLIINVTHQNVLFHHTTSVLNLFSSPRVGISAVALRTISRIGLSAPSNCISEDEG 1377
Db 1139 CRNNPLIIPVHDLSPQFYHSQAVRVSSPLVAISGVALRSPDNFVTLSSC-QRGET 1197
Qy 1378 QNHQGSCTHRPCGKQDSCPSLLBDHADVYNCTSI---GPGLMCAITCQRGFALQASS 1433
Db 1198 YSPAEGSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252
Qy 1434 GQYIRPMQ--KEILLTSSGHWDOVNGCLPVDGCVDPDPSLVNVA NFSCEGTFKLKRC 1491
Db 1253 DDELIKSQTGPSVTVTCTEGKMNKQVACEPVDCSI PDHQVYASFSCEGTTFGSQCSF 1312
Qy 1492 SCVPRPAKLOGLSFWLTCLEDGLWSLPREYCKLECDAPRIILNANLLPHCLQDNHVG 1551
Db 1313 QCRHPPAQKGNNSLLTCMEDGLWSFPEALCELMCLAPRPVPNADLOJARCRENKHKVGSF 1372
Qy 1552 CKYECKPGYVVAESAEGKVRNKLKIOCLEGGIWEQSCIPVVCBPBPVFEGMYECTNG 1611
Db 1373 CKYKCKPGYHVPSSSR-KSKKRAFKTQCTQDGSWQEGACVPVTCBPBPKFHGLYQCTNG 1431
Qy 1612 FSLDSQCVLNC-----NQEREKLPILCTKEGLWTQEFKLCENLQGECPBPPELSLNS-V 1665

Db 1432 FQFNSECRICKEDSDASQGLGNSVHCRKDGTMWNGSFHYCOEMQGC-SVPNELNSNLKL 1490
Qy 1666 KCEQGYGIGAVCSPLCVIPPSDPMVLPENITADTLEHMEPVKQOSIVCTGRROMHPDPV 1725
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDI PHWLNPTREVRVCTAGLKWYPHPA 1550
Qy 1726 LVHCIOCEPFOADGWCDTINNRAYCHYDGDCCSSTLSKKVIIPAADCULD-ECTCRD 1784
Db 1551 LHCYKGECEPFMGNDNYCDAINNRAFCNYDGDCCSTVTKYKVTVPFMSCDLQGCACRD 1610
Qy 1785 PKAEN 1790
Db 1611 PQAQEH 1616

RESULT 12
US-10-991-321-32
; Sequence 32, Application US/10991321
; Publication No. US20050112675A1
; GENERAL INFORMATION:
; APPLICANT: Kochen, Jarema Peter
; APPLICANT: Rosinski, James Andrew
; TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
; FILE REFERENCE: 21742 US1
; CURRENT APPLICATION NUMBER: US/10/991,321
; CURRENT FILING DATE: 2004-11-17
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-991-321-32

Query Match 39.7%; Score 3916.5; DB 5; length 1627;
Best Local Similarity 45.8%; Pred. No. 1.4e-289;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

Qy 249 REAETFNSQVGLP--ILYFSGRRERL-LIRPEVLAETPREAFTVEAWVKPEGQNNPATI 305
Db 80 REARGATEEPPSPSRALYFSGRGEQLRVLRADL--ELPRDAFTLQVWLRAEGGQSRPAVI 137
Qy 306 AGVFDNCSTVSDKGWALGIRSGDKGKRDARFFFSLCTDRVKATILISHSRYPGTWT 365
Db 138 TGLYDKCSYISRDRGWVGIHTISDQNKDPRYFFSLKTDRARQVTTINAHRSYLPQQWV 197
Qy 366 HVAATYDGRHMAIYVDGTQVASSLIDQGPLNSPFMASCRSLLIGDSSSEDGHYFRHLGT 425
Db 198 YLAATYDQFMKLYVNGAQVATSGEQVGIFSPLTQCKVYLMGG--SALNHNRYGYIEH 255
Qy 426 LVFWSTALPQSHFQHSQHSGBEATDVLVTASFEPVNTWVPERDEKYPRLV--LQG 483
Db 256 FSLMKVARTQREILSDMETHGANTALPQLLQENWMDNVGAWSPMKDGSSPKVEFSNAHG 315
Qy 484 FEPEEILSPLOPPLCGQTVCCNVELLISQYNGWPLRGEKYIRYQVNICDDEGLNPIYS 543
Db 316 FLLD---TSLPPLCGQITLCDNTEVIASYNQSSFRQPKVYRVVNLVEDDHKNPIYV 371
Qy 544 EEQIRLOHEALNEAFSRYNISWOLSVHOVNSTLRHRVVLVNCESKIGNDHCDECEHP 603
Db 372 REQVDFQHHQLAFAFKQYNISWELDVLEVSNSSLRRLLILANCDISKIGENDCDECNHT 431
Qy 604 LTGYDGDGCR-LQGRCYSWNRBDGLCHVECNMMLNDFDDGCCDQVADVKTCTFDPDSP 662
Db 432 LTGHGDGDCRHLRHPAFVKQKHNGVCMDCNYERFNFDGECCEDEITNVQTCTFDPDSP 491
Qy 663 KRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWPKDAVTHLGGIVLSPAY 722
Db 492 HRAYLDVNELNKILKLDGSTHLNIFFAKSSEELAGVATWPMWKEALMHLGGIVLNPSEY 551
Qy 723 GMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCADTAPTPKSEL 782

Db 552 GMPGHTHTMIHEIGSLGLYHVFGRGISEIQSCSDPCMETEPSFETGDLCDNTNPAPKXKS 611

Qy 783 CREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQOWTESRK 842

Db 612 CGDPGPGNDTCGFHSFNTPYNNFMSYADDCTDSFTPNQVARMHCYLDLVYQOWPSRK 671

Qy 843 PTPPIPPMVIGQTNKSLTIHMLPPISGVVYDRASGLCGACTEDGTFRQYVHTASSRRV 902

Db 672 PAPVALAPQVLGHTTDSVTLBFWPPIIDGHFFERELGSACHLCLEGRILVQYASNASSMPMP 731

Qy 903 CDSGYWTPPEAVGPPDVDPQPCPSLQAWSPREVLHYMMNTVPCP-TEGSCLELLFQHPV 961

Db 732 CSPSGHMSPREAEGHPDVEQPCSSVTRTWSPNSAVNPHTVPACPEPQGCYLEFLYPL 791

Qy 962 QADTLTLMWT--SFFMESSQVLPDTEILLENKESVHLGPLDTCFCDIPLTIKL-HVDGKVS 1018

Db 792 VPESLTIWTVFVSTWDSGAVNDIKLAVSGKNISLGPONVFCDVPLTIRLMDVGEEVY 851

Qy 1019 GVKVYTFDERIEIDALLTSQHPSPLCGSCRPVRYQVLRDPPFASGLPVVYTHSRKFTD 1078

Db 852 GIQIYTLDEHLEIDAAMLTTSTADTPLCLQCKPLKYKVRDPLQMDVASIL-HLNRKFVD 910

Qy 1079 VEVTPGQWYQVYLAAGELGEASPLNHIHGAPYCGDGKVSERLGEEDGDGLVSGDG 1138

Db 911 MDLNLGSVYQWVYITISGTESESPSPAVTYIHGRGYCGDGI IQKDQGEQCDDMNKINGDG 970

Qy 1139 CSKVCLEEGFNCGVGEPSLCYMEGDCICEPERKTSIVDCGIYTPKGYLDQWATRAYSS 1198

Db 971 CSLFCRQEVSNCIDEPSRCYFHDGDGVCHEFEQKTSIKDCGVYTPQGFILDQWASNASVS 1030

Qy 1199 HEDKKCPVSLVTGER-HSLICTSYHPLDNHRPLTGWPCVASENETODDRSEQPEGSL 1257

Db 1031 HQD-QQCPGWIIQOPASQVCRTKVIDLSEGISQHAMYPCTTISYPYSQ----- 1078

Qy 1258 KKEDEVMLKYCFNRPGEARAIFILTTDGLVGEHQOPTVTLTYLTDVGSNHSLGTYGLS 1317

Db 1079 LAQTTFWLRAVFSQPMVAAYIVHLVTDGYTQDQKQETISVQLDTRQSHDLGLHLVS 1138

Qy 1318 COHNPLIINTHQNVLFHHTSVLNLNFSRPGISAVALRTSRIGLSAPSNCSISEDEG 1377

Db 1139 CRNNPLIIPVHDLSPFYHSQAVRVSFSSBLVAISGVALRSFDNFDEVTLLSSC-QRGET 1197

Qy 1378 QNHQGSCTHRPCGKODSCPSLLDHDADVNTCSI---GPGLMKCAITCQRGFALQASS 1433

Db 1198 YSPAEQSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252

Qy 1434 GQYIRPMQ--KEILLTCSSGHWDQNVSCLPVDCGVPDPSPLVNRYANFSCSEGTFLKRCSI 1491

Db 1253 DDELIKSQTGSPSVTCTEGKWNKQVACEPVDCSI PDHQVYAASFCPEGTTFGSQCSF 1312

Qy 1492 SCVPPAKLOGISFWLTCLEDGLWSLPEVYCKLECDAPRIILNANILLPHCLQDNHDVGTI 1551

Db 1313 QCRHPAQKGNNSLLTCMEDGLWSFPEALCELMCLAPRPVPNADLOJARCRENKHKVSF 1372

Qy 1552 CKYECKPGYVVAESAEGKVRNKLKIQCLBGGIWEQSSCIPVVCBPPRPVFEEMYECTNG 1611

Db 1373 CKYKCKPGYHVPSSSR-KSKKRAFKTQCTQDGSWQEGACVPYTCDBPPPKFHGLYQCTNG 1431

Qy 1612 FSLDSQCVLNC-----NQREKLPILCTKEGLWTQBFKLCENLOGECPPRPSELNS-VBY 1665

Db 1432 FQFNSECKIKCEDSDASQGLGSNVIHCRKDGWTNGSFHVQCQEMQGC-SVPNELNSNLKL 1490

Qy 1666 KCEQGYGIGAVCSPLCVIPPSDPVMLPENITADTLEHMMEPVKVQSI VCTGRQWHPDPV 1725

Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDI PHMLNPTIRVERVYCTAGLKWYHPHA 1550

Qy 1726 LVHCIQSCPEFQADGWCDTINNRAYCHYDGDCCSSTLSSKKVI PPAADCILD-ECTCRD 1784

Db 1551 LIHCVKGEPEFMGDNVCDAINNRAFCNVYDGDCTSTVKTKKYTFPMSCDLQGDCACRD 1610

Qy 1785 PKAEEN 1790

Db 1611 PQAQEH 1616

RESULT 13

US-10-887-229A-8

; Sequence 8, Application US/10887229A

; Publication No. US20050148509A1

; GENERAL INFORMATION:

; APPLICANT: DAKE, BRIAN

; APPLICANT: BOOTH, BARBARA

; APPLICANT: BOES, MARY

; APPLICANT: BAR, ROBERT S.

; TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY

; FILE REFERENCE: IOWA:049US

; CURRENT APPLICATION NUMBER: US/10/887, 229A

; PRIOR FILING DATE: 2004-07-08

; PRIOR APPLICATION NUMBER: 60/538, 000

; PRIOR FILING DATE: 2004-01-21

; PRIOR APPLICATION NUMBER: 60/485, 846

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 1627

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-887-229A-8

Query Match 39.7%; Score 3916.5; DB 5; Length 1627;

Best Local Similarity 45.8%; Pred. No. 1.4e-289;

Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

Qy 249 REAETFNSOVLPR--ILYFSGRREPL-LLRPEVLAIIPREAFVEAWVKPEGQNPAT 305

Db 80 REARGATEEPPSPSRALYFSGRGQRLVLRADL-ELPRDAFTLLQVWLRAGGQRSPAVI 137

Qy 306 AGVPDNCSTHVSDKGWALGIRSGDKGRDARFFFSLCTDRVYKATILISHSRYPGTWT 365

Db 138 TGLYDKCSYISRDGRWVGIIHTISDQDNKDPRYFFSLKTDRARQVTTINAHRSYLPQWV 197

Qy 366 HVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMAACRSLLGGDSSEDHGYFRGHLGT 425

Db 198 YLAATYDQFMKLYVNGAQVATSGEYVGI FSPLOTQCKVLMGG--SALNHNRYGYIEH 255

Qy 426 LVFWSTALPQSHFQHSQHSQSGEHEATDVLVTASFEPVNTENVPRDEKYRLEV--LQG 483

Db 256 FSLMKYARTQREILSDMETHGANTALPOLLOENWMDNVKHAMSPMKDGSSPKVEFSNAHG 315

Qy 484 FEPEPEILSPLOPPLCGQTVCNVELISQYNGWPLRGEXIRYQVNICDDEGLNPIYS 543

Db 316 FLLD---TSLEPPLCGQTLCDNTEVIASYNQLSSFRQPKVVRVYNLYEDDHKNPTVT 371

Qy 544 EEOIRLOHEALNEAFSRYNISQSLVHQVHNSTLRHRVVLVNCPEPSKIGNDHCPECEHP 603

Db 372 REQVDFOHQHQLAEAFKQYNIWELDVLEVSNSLSRRLLILANCDISKIGENDCPECNHT 431

Qy 604 LTGYDGDCCR-LQGRCYSWNRRDGLCHVECNMNLNDFDGDCCDPQVADVRYKTCFDPDSP 662

Db 432 LTGHDGDCRHLRHPAFVKQHNQVCDMDCNERYFNFDGECDDPEITNTVQTCTFDPDSP 491

Qy 663 KRAYMSYKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLGGIVLSPAYY 722

Db 492 HRAYLDVNLKNILKLDGSTHLNIFFAKSSEELAGVATWPMWKEALMLHGLGIVLNPSEY 551

Qy 723 GMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKEIVPSMETGDLCADTAPTPKSEL 782

Db 552 GMPGHTHTMIHEIGSLGLYHVFGRGISEIQSCSDPCMETEPSFETGDLCDNTNPAPKXKS 611

Qy 783 CREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQOWTESRK 842

Db 612 CGDPGPGNDTCGFHSFNTPYNNFMSYADDCTDSFTPNQVARMHCYLDLVYQOWPSRK 671

Qy 843 PTPPIPPMVIGQTNKSLTIHMLPPISGVVYDRASGLCGACTEDGTFRQYVHTASSRRV 902

Db 672 PAPVALAQQVLGHTTDSVTLEWFPPIIDGHFFERELGSACHLCLEGRILVQYASNASSMP 731
Qy 903 CDSGWTPPEAVGPPDDQPCERPSLOAWSPEVHLHYHMMTVPCP-TEGCSLELLFQHPV 961
Db 732 CSPSGHWSPREAEGHPDVEQPCSKSVRTWSPNSAVNPHTVPPACPEPQGCYLELEFLYPL 791
Qy 962 QADTLTLMWT--SFMESSQVLFDTLELLENKESVHLGLDFTCDIPLTIKL-HVDGKVS 1018
Db 792 VPESLTIWTFVSTWDSSGAVNDIKLLAVSGKNISLGPQNVFCDVPLTIRLMDVGEVY 851
Qy 1019 GVKVYTFDERIEIDALLTSQPHSPICSGCPRVRYQVLRDPPFASGLPVVVTSHRKFTD 1078
Db 852 GIQIYTLDEHLEIDAAMLTSTADTPLCIQCKPLKYKVRDPPLOMDVASIL-HLNRKFVD 910
Qy 1079 VEVTPEGMYQVLAELAGELGEASPPLNHIGAPYCGDGKVSERLGECCDDGLVSGDG 1138
Db 911 MDLNLGSVYQYWVITISGTEESESPSPAVTYIHGRGYCGDGIQKQGEQCDDMNKINGDG 970
Qy 1139 CSKVCLEEGFNCVGEPSLCYMEGDCICEPFEKTSIVDCGIYTPKGYLDQWATRAYSS 1198
Db 971 CSLFCQGEVSFNCIDEPSCRIFYHDGVCSEFEQKTSIKDCGVYTPQGFLDQWASNASVS 1030
Qy 1199 HEDKKCPVSLVTGER-HSLICTSYHBDLPNHRPLTGMFPCVASENETQDDRSQPEGST 1257
Db 1031 HQD-QQCPGMVLIIGQPASQVCRKTVIDLSEGISQHAMYPCTISYPYSQ----- 1078
Qy 1258 KKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQPTVTLVLDVRGSNHS�TGYLS 1317
Db 1079 LAQTFMRLAIFYSQPMVAAVIYHLVTDGTYGQKQETISVQLDTKDQSHDLGLHVL 1138
Qy 1318 CQHNPLIINTVHQNVLPHHTTSVLNFPSSPRVGISAVALTSTSRIGLSAPSNCISEDEG 1377
Db 1139 CRNPLIIPVHDLQSPFYHSQAVRVSFSSPLVAISGVALRSFDPNFPVTLSSC-QRGET 1197
Qy 1378 QNHQGSCTHRPCGKODSCPSLLLDHADVNCSTSI---GPGMKCAITCQGFALQASS 1433
Db 1198 YSPAEGSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR 1252
Qy 1434 GQYIRPMQ--KEILLTSSGHWQDQVSCLPVDCGVPDPPLVNYANFSCSEGTFLKRCST 1491
Db 1253 DDELKQSGTGPSVTVTCEGKMNQVACEPVDCSI PDHQVYVASFSCPEGTTFGSQCSF 1312
Qy 1492 SCVPAKLOGLSPWLTCLEJGLMSLEPYCKLECDARPIILNANLLPHCLQDNHDVGTI 1551
Db 1313 QCRHPAOLKGNNSLLTCMEDGLMSFPALCELMCLARPPVPNADLOARCRENKHKVGSF 1372
Qy 1552 CKYECKGYYVAESAEGKVRNKLKIOCLEGGIWEQSGCIPVVCPEPPPVFEGMYECTNG 1611
Db 1373 CKYKCKFGYHVPSSSR-KSKKRAFKTQCTQDGSQWEGACVPVTCDPKPKFHGLYQCTNG 1431
Qy 1612 FSLDSQCVLNC----NQEREKLPILCTKEGLWTQEFKLCENLOGECPPPPSELNS-VEX 1665
Db 1432 FQFNSECRKICEDSDASQGLGSNVIHCRKDGWTNGSFHVCQEMQGC-SVPNELNSNLKL 1490
Qy 1666 KCEQYIGIGAVCSPLCVIPPSPDPMLEPENITADTLEHWMERVKVQSI VCTGRQWHPDPV 1725
Db 1491 QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDI PHMLNPTREVRVCTAGLKWYPHPA 1550
Qy 1726 LVHCTQSGCEPFOADGWCDTINNRAYCHYDGGCCSSTLSSKKVIFPAADCDDLD-ECTCRD 1784
Db 1551 LIHCVKGCEPFMGDNYCDAINNRAFCNVYDGGDCTSTVTKTKVTFPMSCDLOGDCACRD 1610
Qy 1785 PKAEN 1790
Db 1611 PQAQEH 1616

RESULT 14
US-10-783-311-2
; Sequence 2, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew

; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FaSTSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2

Query Match 39.7%; Score 3914.5; DB 5; Length 1547;
Best Local Similarity 46.1%; Pred. No. 1.8e-289;
Matches 714; Conservative 295; Mismatches 490; Indels 51; Gaps 24;

Qy 263 LYFSGRRERL-LLRPEVLAETPREAFTVEAWKPEGQNNPAIIAGVFDNCSTHTSDKGV 321
Db 16 LYFSGRGEQLRVLRADL-ELPRDAFTLQVWLRABEGGRSPAVITGLYDKCSYISRDGV 73
Qy 322 ALGIRSGKDKGRDARFFPSLCTDRVKKATILISHSRQPGTWTHTVAATYDGRHMLAYD 381
Db 74 VVGIIHTISDQNKDPRYFSLKTDRAQVTTINAHRSYLPQWVYLAATYDQGFMLKYV 133
Qy 382 GTQVASSLDQSGPLNSPFMACSRLLLGDSSEDDGHYFRGHLGTLVFWSTALPOSHFGHS 441
Db 134 GAQVATSGEQVGIFFSPLTOKCKVLMLG--SALNHNRYGYIEHFSLMKVARTQREILSD 191
Qy 442 SQHSSGEEBATDLVLTASFEPVNTWVPRDEKYPRLV--LQGEFEPEELSPLOPPLC 499
Db 192 METHGAHTALPQLLQENWQNVTHAWSPMKDSSPKVERFSNAHGFLD---TSLEPPLC 247
Qy 500 GQTVCDNVELISQYNGWYPLRGEKYIRYQVNNICDDEGLNPVSEEQIRLOHEALNEAFS 559
Db 248 GQTLCDNTEVIASYNQLSSFRQPKVRYRVNLYEDHKNPVTVTRQVDFQHQLAEAFK 307
Qy 560 RYNTSWQLSVHQVHNSTLRHVVLVNCBPSKIGNDHCBCEHPLTGYDGDGR-LQGR 618
Db 308 QYNISWEILDVLEVSNSSLRRRLILANCDISKIGDENCDECNHTLTGHDGDCRHLHRA 367
Qy 619 YSNRRDGLCHVECNMMLNDEDDGCCDPQVADVARKTCFDPDSPKRAYMSVKELKEALQL 678
Db 368 FVKQKHNGVCDMDCNYERFNDGEECCPEITNVQTCFDPDSPRAYLIDVNLKNIKL 427
Qy 679 NSTHFLNIYFASSVREDLAGATWPMWDKDAVTHLGGIYLSPAYYGMPGHTDTMIHEGVH 738
Db 428 DGSYHINIFFAKSSEELAGVATWPMWDKEALMHLGGIYLVNPSFYGMFGHTHTMIHEIGHS 487
Qy 739 LGLHYVEKGVSERESCNDPCKETVPSMETGDLCAADTAPTPKSELCREPEPTSDTCGFTRF 798
Db 488 LGLHYVEFGISEIQSCSDPCMETEBSFETGDLCDNTNPAPKHKSCGDPGNDTCGFHSF 547
Qy 799 PGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLVYQQWTESRKPTPIPIPMVIGQTNK 858
Db 548 FNTFYNNFMSYADDCTDSFTFNQVARMHCYLDLVYQGWPSRKPARVALAQQVLGHTTD 607
Qy 859 SLTIHMLPISGVVYDRASGLGCACTEDGTFRQYVHTASSRRVCDSSGYWTPPEAVGPP 918
Db 608 SVTLEWFPPIIDGHFFERELGSACHLCLEGRILVQYASNASSPMPSCSPSGHWSPREAEGHP 667
Qy 919 DVDQCEPSLOAWSPEVHLHYHMMTVPCP-TEGCSLELLFQHPVQADTLTLMWT--SFEM 975
Db 668 DVEQPCSSSVRTWSPNSAVNPHTVPPACPEPQGCYLELEFLYPLVPESLTIWTFVSTDW 727
Qy 976 ESSQVLFDTLELLENKESVHLGLDFTCDIPLTIKL-HVDGKVSQVKVYTFDERIEIDAA 1034
Db 728 DSGAVNDIKLLAVSGKNISLGPQNVFCDVPLTIRLMDVGEVYGIQIYTLDEHLEIDAA 787
Qy 1035 LLTSQPHSPICSGCPRVRYQVLRDPPFASGLPVVVTSHRKFTDVEVTPEGMYQVLAEL 1094
Db 1035 LLTSQPHSPICSGCPRVRYQVLRDPPFASGLPVVVTSHRKFTDVEVTPEGMYQVLAEL 1094

Db 788 MLTSTADTPLCLCKPLKVKVVRDPLQMDVASIL-HLNRRKFVMDMLNLSVYQYVWITI 846

Qy 1095 AGGELGEASPLNLHIGAPYCGDGKVSERLGEEDDGLVSGDGSKVCELEBENCVE 1154

Db 847 SGTSESESPAVTYIHGRGYCGDGI IQDQGEQCDMKNKINGDGS LFCRQEVSFNCIDE 906

Qy 1155 PSLCYMEYEGDICEPBERKTSIVDCGIYTPKGYLDQMATRAYSSHEDKKCPVSLVTGEP 1214

Db 907 PSRCYFHDGDGVCEREQKTSIKDCGVTPQGFLDQMASNASVSHOD-QQCPGWIIIGQP 965

Qy 1215 -HSLICTSYHPDLBNHRPLTGMFPCVASENETDDDRSEQPEGLSKKEDEVWLKVCFNRP 1273

Db 966 AASQVCRKVIDLSEGISQHAMYPCTISYPYSQ-----LAQTTFWLRAYPFSQPM 1014

Qy 1274 EARAIFILTTDGLVGEHQPTVTLVLTVDGNSHSLGTYG LSCQHNPLIINVTHQNV 1333

Db 1015 VAAAVIHLVTDGTYG DQKQETISVQLDPTQSHDLGLHVLSCRNNPLIIPVHDL SQ 1074

Qy 1334 LFHHTSVLLNFSSPRVGISAVALRTSSRIGLSAPSNCSISEDEGQNHQGS CIHRPCGKQ 1393

Db 1075 PFYHQAIVRSFSSPLVAISGVALRSFDNPDVTLSSC-QRGETYSPRAEOSCVHFACEKT 1133

Qy 1394 DSCP SLLDHADVYNCTSI---GPGLMKCAITCQRGFALQASSGQYIRPMQ--KEILLT 1447

Db 1134 D-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRRDELKTSQGTGPSVTVT 1188

Qy 1448 CS\$GHWDQNSCLPVDGCVDPDPSLVNIVANBSCEGTFKFLKRCISICVPPAKLQGLSPWLT 1507

Db 1189 CT\$GKMNQVACEPYDCSIPDHQVYAASFSCPEGTTFGSQCSFQCRHPAQLKGNNSLTT 1248

Qy 1508 CL\$DGLWSLPEVYCKLECDAPRIILNANLILPHCLQDNHDVGTICKYECKPGYVAESA 1567

Db 1249 CMEDGLWSFPEALCELMCLAPRPVPNADLQTARCRENKHVGSFCKYCKCPGYHVPGSSR 1308

Qy 1568 GKVRNKLKIQCLEGIWEQSCIPVNCBPPPVFEFGMYECTNGFSLDSQCVLNC----- 1622

Db 1309 -KSKKRAFKTQCTQDGSWQEGACVPVTCDBPPKFGHLYQCTNGFQNSECR IKCEDSDA 1367

Qy 1623 NQ\$REKPLICTKEGLMTQ\$EFLCENLQ\$EGPRPPSELNS-VEYKCEQGYGIGAVCSPLC 1681

Db 1368 SQGLGSNVHCRKDG TWNGSFHVCQEMQGC-SVPNELNSNLKLCQCPDGYAIGSECATSC 1426

Qy 1682 VIPSPDVMLPENITADTLEHMMEPVXVQSI VCTGRROMHPDPVLVHCISQCEPFQADGW 1741

Db 1427 LDHNS\$E\$ILPMNVTVRDI PHMLNPTFRVERVCTAGLKWYPHPALIHCVKGC\$EPMGDNY 1486

Qy 1742 CDTINNAVCHYDGGDCSSSTLSSKVI PFADCDLD-ECTCRDPAEEN 1790

Db 1487 CDAINNAFCNYDGDCCSTJVKTKVTPEPMSCDLQGDCA CRDPAQ\$EH 1536

RESULT 15

US-10-450-763-41497

; Sequence 41497, Application US/10450763

; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 790CIP3/US

; CURRENT APPLICATION NUMBER: US/10/450, 763

; CURRENT FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: PCT/US01/08631

; PRIOR FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/540, 217

; PRIOR FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 09/649, 167

; PRIOR FILING DATE: 2000-08-23

; NUMBER OF SEQ ID NOS: 60736

; SOFTWARE: Custom

; SEQ ID NO 41497

; LENGTH: 1752

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: DOMAIN

; LOCATION: (632)..(643)

; OTHER INFORMATION: Neutral zinc metalloproteinases zinc-binding region proteins.

; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00142, p-value=

; FEATURE:

; NAME/KEY: DOMAIN

; LOCATION: (1288)..(1544)

; OTHER INFORMATION: Sushi domain (SCR repeat) domain identified by Pfam,

; OTHER INFORMATION: accession name sushi, E-value=2.6e-18, Pfam score of 74.3

US-10-450-763-41497

Query Match 39.7%; Score 3909.5; DB 5; Length 1752;

Best Local Similarity 45.8%; Pred. No. 5.2e-289;

Matches 717; Conservative 294; Mismatches 502; Indels 53; Gaps 25;

Qy 249 REAETFNSQVGLP--ILYFSGRRERL-LRPEVLAEIPREAFVFAWVKPEGQNPAT 305

Db 153 REARGATEBSPSPSRALYFSGRGEOURLRADL--ELPRDAFTLQWMLRAEGGQSPAVI 210

Qy 306 AGVFDCSHTVSDKGWALGIRSGDKRKDARFFSLCTDRVKKATILISHSRYPGTWT 365

Db 211 TGLYDKCSYISRDRGWVVGIIHTISQDNKDPRYFSLKTDRAQYTTINAHRSYLPQ\$W 270

Qy 366 HVAATYDGRHMA LYVDGTQVASSLDQSGPLNSPFMA\$CRSL LGGDSSE\$DGHYFRGH LCT 425

Db 271 YLAATYDQFMKLYVNGAQVATSGEQVGIFSP LQCKCYLMGG--SALNHNRYGYIEH 328

Qy 426 LVFWSTALPQSHFOHSSQ\$HSG\$E\$EATDLVLTASFE\$PVNT\$EVPFRDEKYPRLEV--LQ 483

Db 329 FSLMKVARTQREILSDMETHG\$HTALPQLLQ\$ENWDNVKLAWS\$MKDGSSPKVEFSN\$HG 388

Qy 484 FEPEPIL\$PLQ\$PPLCGQTCV\$NVELISQNGYWP LRG\$KYIRYQVNICDDEGLNPIVS 543

Db 389 FLLD---TSL\$PPLCGQTL\$CNTEVIA\$YNQ LSSFRQ\$PKVYRVVNL\$YEDDHKNP\$TVT 444

Qy 544 EEQIRLO\$EALNEAF\$R\$YNI\$WOL\$VH\$QVHN\$TLRHRVVLN\$C\$E\$PSKIGNDHCDPECEHP 603

Db 445 REQVDFOHQLABAFKQYNI\$WELDL\$EVSNS\$LRRLILANCDISKIGDENDC\$PECNHT 504

Qy 604 LTGYDGD\$CR-LQGRCY\$WNRBDGL\$CHECNMNLNDFDGDCCDPQVADVRKTCFDPD\$P 662

Db 505 LTGHGDGDCRHLRHPAFVKKQ\$HNGVCDMDCYERFNFDG\$ECCDPEITNVTQTCFDPD\$P 564

Qy 663 KRAYMSYKELKEALQLN\$THFLNITYF\$ASSVREDLAGAATW\$PDKDAVTHLGGIVL\$PAY 722

Db 565 HRAYLDVNE\$LNILKLDG\$THLINIFPAK\$SEBELAGVATW\$PDKEALMHLGGIVL\$NPSFY 624

Qy 723 GMPGHTDTMIEHGVHVLGLYHVF\$KVSERES\$CNDPCK\$ETVPSMETGDL\$CADTAPTPK\$SEL 782

Db 625 GMPGHTTMIHEIGHSLGLYHVRGISEIQ\$CSDP\$CMET\$E\$P\$ETGDL\$CNDTNPAPK\$HS 684

Qy 783 CREPEPTSDTCG\$FTRFPGAP\$TNM\$SYTDNCTDNFTPNQVARMH\$CYLDLVYQ\$WTESRK 842

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Qy 903 CDS\$GYWTP\$BEAVGP\$PDVDQ\$CEP\$SLQ\$W\$SP\$EVL\$YHNM\$TVPCP-TEGCSLEL\$PQ\$HV 961

Db 805 CS\$P\$GHM\$SP\$REAB\$GH\$P\$DVEQ\$CK\$SVRTW\$SP\$SAVN\$PHTV\$PAC\$PEPQ\$CYLELE\$F\$YPL 864

Qy 962 QADTL\$LMVT--SF\$MESQVL\$DTEILLENK\$E\$VH\$GLD\$TFCDI\$PLTIKL-HVDGKVS 1018

Db 865 VPESLTIWTVF\$VSTWD\$SGAVNDIKLAV\$GKNISL\$GQNVFCDV\$PLTIRLWDV\$E\$EVY 924

Qy 1019 GVKVYTFDERIEIDAALITSQ\$P\$H\$PLC\$GCRP\$RVRYQVLRD\$P\$FASGLP\$VVVTH\$SRKFTD 1078

Db 925 GIQIYTLDEHLEIDAAMLT\$TADT\$PLCLQ\$CKPLK\$YKVV\$RDP\$PLQMDVASIL-HLNRRKFVD 983

QY	1079	VEVTPGQMYYQYVLAELAGGELGEASPPLNHIGAPYCGDQKVSERLGEBCDDGLVSGDG	1138
Db	984	MDLNLGVSYYQYMWITISGTHESESPSAVTYIHGRGYCGDGIIOKDQGEQCDMMNKINGDG	1043
QY	1139	CSKVCELEEGFNCVGEPSLCYMEGDGICEPFEKRTSIDVCGIYTPKGYLDQWATRAYSS	1198
Db	1044	CSLFCRQEVSFNCIDESPBCYFHDGDGVECEFEQKTSIKDCGVYTPQGFLLDQWASNASVS	1103
QY	1199	HEDKKKCPVSLVTGER-HSLICTSYHPDLPNHRPLTGWPCVASENETODDRSEQEGSL	1257
Db	1104	HQD-QQCPGWVIGQPAASQVCRKVIDLSEGISQHAMYPCTISYPYSQ-----	1151
QY	1258	KKEDVWLKVCFNRPGEARAIFFLTDDGLVPGEHQPTVTLVLTVDVRGSNHSLGTYGLS	1317
Db	1152	LAQTFWLBRAVFSQPMVAANAIVHLVTDGTYGDDQKQETISVQLDTPKQSHDLGLHVL	1211
QY	1318	COHNPLIINTVTHQNVLEFHTTSVLLNFSSPRVGISAVALRTSSRIGLSAPSNCTISEDEG	1377
Db	1212	CRNNPLIIPVHDLSDPFYHSQAVRVSFSSPLVAISGVALRSFDPNFPVTLSSC-QRGET	1270
QY	1378	QNHQGSCTIHRPCGKODSCPSLLLDHADVNCSTI---GPGLMCAITCQRFALQASS	1433
Db	1271	YSPAQSCVHFACEKTD-CPELAVENAS-LNCSSSDRYHG--AQCTVSCRTGYVLQIRR	1325
QY	1434	GQYIRPMQ--KEILLTSSGHWDDQNVSCLPVDCGVDPDPSLVNYANFSCSEGTFLKRCST	1491
Db	1326	DDELIKSQTGPSVTYTCIEGKMNKQVACEPVDCSIPIHQVYAASFSCPEGTTFGSCSF	1385
QY	1492	SCVPRAKLQGLSPWLTCLEDELMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTI	1551
Db	1386	QCRHPAQLKGNNSLITCMEDELMSFPEALCELMCLAPRPVPNADLOQTARCRENKIVGSF	1445
QY	1552	CKYECKPGRYYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVCEPFPFVEGMYECTNG	1611
Db	1446	CKYKCKPGRYHVPSSR-KSKRAFKTQCTQDGSWQEGACVPVTCDDPPPKFHGLYQCTNG	1504
QY	1612	PSLDSQCVLNC---NQEREKPLICTKEGLWTOEFKLCENLQGECPRPSPSEINS-VEY	1665
Db	1505	FQFNSECRIKCEDSDASQGLGSNVIHCRKDGITWNGSFHVCQEMQGC-SVPNELNSNLKL	1563
QY	1666	KCBQGYGIGAVCSPLCVIIPSPDVMLPENITADTLEHMMPEPVKVQSIIVCTGRQRWHPDV	1725
Db	1564	QCPDGYAIGSECATSCLDHNSESIILPMNVTVRDIPIHMLNPTRVERVCTAGLKMYHPA	1623
QY	1726	LWHCIQSCEPFQADGWCDTIINRAYCHYDGDCCSSTLSSKKVIFPADCDLDL-ECTCRD	1784
Db	1624	LHHCVKGCEPFMGDNYCDAINNRAFCNNDGGDCCTSTVYTKKVTFFPMSCDLQGDCACRD	1683
QY	1785	PKAEEN 1790	
Db	1684	POGPRN 1689	

Search completed: January 30, 2006, 15:30:43
Job time : 110.47 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:31:45 ; Search time 13 Seconds
(without alignments)
1297.823 Million cell updates/sec

Title: US-09-983-025B-2_COPY_234_1791
Perfect score: 1558
Sequence: 1 SPPEESNNGEGSYREAF.....AADCDLDECTCRPKAENQ 1558

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 75621 seqs, 10829074 residues

Word size : 5

Total number of hits satisfying chosen parameters: 6977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database : Published Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	1.2	1627	6 US-10-821-234-1283	Sequence 1283, Ap
2	7	0.4	103	7 US-11-194-246-412	Sequence 412, App
3	7	0.4	136	6 US-10-793-626-1852	Sequence 1852, App
4	7	0.4	169	6 US-10-467-657-2258	Sequence 2258, Ap
5	7	0.4	205	7 US-11-165-067A-47	Sequence 47, Appl
6	7	0.4	250	6 US-10-454-437-388	Sequence 388, App
7	7	0.4	286	7 US-11-166-412-219	Sequence 219, App
8	7	0.4	305	7 US-11-080-091-13	Sequence 13, Appl
9	7	0.4	305	7 US-11-087-177-11	Sequence 11, Appl
10	7	0.4	305	7 US-11-087-177-13	Sequence 13, Appl
11	7	0.4	306	7 US-11-166-412-220	Sequence 220, App
12	7	0.4	320	6 US-10-995-561-947	Sequence 947, App
13	7	0.4	372	6 US-10-844-035-1	Sequence 1, Appl
14	7	0.4	373	6 US-10-995-561-948	Sequence 948, App
15	7	0.4	375	6 US-10-995-561-946	Sequence 946, App
16	7	0.4	385	6 US-10-995-561-945	Sequence 945, App
17	7	0.4	385	6 US-10-995-561-949	Sequence 949, App
18	7	0.4	394	6 US-10-793-626-552	Sequence 552, App
19	7	0.4	447	7 US-11-076-163-1	Sequence 1, Appl
20	7	0.4	447	7 US-11-166-412-52	Sequence 52, Appl
21	7	0.4	457	6 US-10-131-826A-236	Sequence 236, App
22	7	0.4	467	6 US-10-467-657-2612	Sequence 2612, App
23	7	0.4	488	6 US-10-821-234-1654	Sequence 1654, App
24	7	0.4	488	7 US-11-186-284-121	Sequence 121, App
25	7	0.4	821	7 US-11-087-227-90	Sequence 90, Appl

26	7	0.4	871	7 US-11-109-157A-10	Sequence 10, Appl
27	7	0.4	917	6 US-10-493-909-76	Sequence 76, Appl
28	7	0.4	917	6 US-10-493-909-87	Sequence 87, Appl
29	7	0.4	1103	7 US-11-109-157A-9	Sequence 9, Appl
30	7	0.4	1857	7 US-11-102-217-2	Sequence 2, Appl
31	7	0.4	2333	6 US-10-453-372-170	Sequence 170, App
32	7	0.4	2662	6 US-10-453-372-114	Sequence 114, App
33	7	0.4	2724	6 US-10-453-372-148	Sequence 148, App
34	7	0.4	2733	6 US-10-453-372-136	Sequence 136, App
35	7	0.4	2733	6 US-10-453-372-142	Sequence 142, App
36	7	0.4	2733	6 US-10-453-372-146	Sequence 146, App
37	7	0.4	2733	6 US-10-453-372-150	Sequence 150, App
38	7	0.4	2733	6 US-10-453-372-154	Sequence 154, App
39	7	0.4	2759	6 US-10-453-372-168	Sequence 168, App
40	7	0.4	2765	6 US-10-453-372-116	Sequence 116, App
41	6	0.4	9	7 US-11-136-079-445	Sequence 445, App
42	6	0.4	12	7 US-11-145-861-296	Sequence 296, App
43	6	0.4	14	7 US-11-128-059-14	Sequence 14, Appl
44	6	0.4	17	6 US-10-509-292-51	Sequence 51, Appl
45	6	0.4	17	6 US-10-509-292-53	Sequence 53, Appl
46	6	0.4	17	6 US-10-509-292-55	Sequence 55, Appl
47	6	0.4	17	6 US-10-509-292-57	Sequence 57, Appl
48	6	0.4	17	6 US-10-509-292-59	Sequence 59, Appl
49	6	0.4	17	6 US-10-509-292-61	Sequence 61, Appl
50	6	0.4	22	7 US-11-198-847-299	Sequence 299, App
51	6	0.4	27	6 US-10-509-292-48	Sequence 48, Appl
52	6	0.4	28	6 US-10-509-292-44	Sequence 44, Appl
53	6	0.4	28	6 US-10-509-292-45	Sequence 45, Appl
54	6	0.4	37	6 US-10-957-351-179	Sequence 179, App
55	6	0.4	44	6 US-10-957-887B-291	Sequence 291, App
56	6	0.4	48	6 US-10-467-657-4280	Sequence 4280, App
57	6	0.4	49	7 US-11-019-711-57	Sequence 57, Appl
58	7	0.4	56	7 US-11-000-463-433	Sequence 433, App
59	6	0.4	56	7 US-11-000-463-905	Sequence 905, App
60	6	0.4	64	6 US-10-986-501-135	Sequence 135, App
61	6	0.4	72	7 US-11-198-847-77	Sequence 77, Appl
62	6	0.4	77	7 US-11-123-896-350	Sequence 350, App
63	6	0.4	80	7 US-11-043-752-47	Sequence 47, Appl
64	6	0.4	90	6 US-10-467-657-8196	Sequence 8196, App
65	6	0.4	91	6 US-10-505-263-74	Sequence 74, Appl
66	6	0.4	97	7 US-11-000-463-908	Sequence 908, App
67	6	0.4	102	6 US-10-667-295-43	Sequence 43, Appl
68	6	0.4	103	6 US-10-485-788A-665	Sequence 665, App
69	6	0.4	103	7 US-11-053-076-28	Sequence 28, Appl
70	6	0.4	104	6 US-10-689-742-206	Sequence 206, App
71	6	0.4	105	6 US-10-793-626-158	Sequence 158, App
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73	6	0.4	117	6 US-10-131-826A-442	Sequence 442, App
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75	6	0.4	120	6 US-10-467-657-7938	Sequence 7938, App
76	6	0.4	122	6 US-10-821-234-1239	Sequence 1239, App
77	6	0.4	123	6 US-10-467-657-6978	Sequence 6978, App
78	6	0.4	124	6 US-10-467-657-7022	Sequence 7022, App
79	6	0.4	131	6 US-10-667-295-37	Sequence 37, Appl
80	6	0.4	131	6 US-10-467-657-3792	Sequence 3792, App
81	6	0.4	136	5 US-09-978-360A-744	Sequence 744, App
82	6	0.4	139	7 US-11-156-084-88	Sequence 88, Appl
83	6	0.4	141	6 US-10-667-295-42	Sequence 42, Appl
84	6	0.4	143	6 US-10-467-657-1802	Sequence 1802, App
85	6	0.4	147	6 US-10-485-517-343	Sequence 343, App
86	6	0.4	150	7 US-11-156-084-80	Sequence 80, Appl
87	6	0.4	153	6 US-10-821-234-1086	Sequence 1086, App
88	6	0.4	155	5 US-09-978-360A-456	Sequence 456, App
89	6	0.4	157	6 US-10-401-386B-64	Sequence 64, Appl
90	6	0.4	157	6 US-10-401-386B-66	Sequence 66, Appl
91	6	0.4	157	6 US-10-401-386B-68	Sequence 68, Appl
92	6	0.4	157	6 US-10-401-386B-70	Sequence 70, Appl
93	6	0.4	157	6 US-10-401-386B-76	Sequence 76, Appl
94	6	0.4	157	6 US-10-401-386B-78	Sequence 78, Appl
95	6	0.4	157	6 US-10-401-386B-80	Sequence 80, Appl
96	6	0.4	158	7 US-11-055-822-948	Sequence 948, App
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100	6	0.4	162	6	US-10-667-295-132	Sequence 132, App
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105	6	0.4	178	6	US-10-667-295-131	Sequence 131, App
106	6	0.4	184	6	US-10-667-295-130	Sequence 130, App
107	6	0.4	185	6	US-10-453-372-896	Sequence 896, App
108	6	0.4	189	6	US-10-873-528-15	Sequence 15, Appli
109	6	0.4	194	6	US-10-453-372-894	Sequence 894, App
110	6	0.4	195	7	US-11-186-284-175	Sequence 175, App
111	6	0.4	196	7	US-11-153-880-5	Sequence 5, Appli
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113	6	0.4	196	7	US-11-211-724-3	Sequence 3, Appli
114	6	0.4	197	6	US-10-821-234-1295	Sequence 1295, Ap
115	6	0.4	197	6	US-10-714-887-134	Sequence 134, App
116	6	0.4	197	6	US-11-082-389-136	Sequence 136, App
117	6	0.4	203	6	US-10-453-372-890	Sequence 890, App
118	6	0.4	211	5	US-09-978-360A-534	Sequence 534, App
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129	6	0.4	218	6	US-10-453-372-892	Sequence 892, App
130	6	0.4	218	7	US-11-083-389-318	Sequence 318, App
131	6	0.4	220	7	US-11-156-084-136	Sequence 136, App
132	6	0.4	225	7	US-11-125-295-5	Sequence 5, Appli
133	6	0.4	227	6	US-10-467-657-2594	Sequence 2594, Ap
134	6	0.4	230	6	US-10-667-295-86	Sequence 86, Appli
135	6	0.4	230	7	US-11-074-176-224	Sequence 224, App
136	6	0.4	230	7	US-11-108-172-1060	Sequence 1060, Ap
137	6	0.4	232	7	US-11-128-059-66	Sequence 66, Appli
138	6	0.4	236	7	US-11-125-295-7	Sequence 7, Appli
139	6	0.4	237	6	US-10-454-437-180	Sequence 180, App
140	6	0.4	239	6	US-10-821-234-1186	Sequence 1186, Ap
141	6	0.4	242	5	US-09-978-360A-626	Sequence 626, App
142	6	0.4	242	6	US-10-506-443A-71	Sequence 71, Appli
143	6	0.4	244	6	US-10-453-372-214	Sequence 214, App
144	6	0.4	245	7	US-11-186-284-167	Sequence 167, App
145	6	0.4	248	7	US-11-054-515-1403	Sequence 1403, Ap
146	6	0.4	248	7	US-11-054-515-1440	Sequence 1440, Ap
147	6	0.4	249	6	US-10-467-657-932	Sequence 932, App
148	6	0.4	251	7	US-11-055-822-892	Sequence 892, App
149	6	0.4	255	6	US-10-454-437-150	Sequence 150, App
150	6	0.4	255	6	US-10-454-437-152	Sequence 152, App
151	6	0.4	256	7	US-11-054-515-1285	Sequence 1285, Ap
152	6	0.4	258	6	US-10-793-626-170	Sequence 170, App
153	6	0.4	258	6	US-10-793-626-1614	Sequence 1614, Ap
154	6	0.4	259	7	US-11-082-389-266	Sequence 266, App
155	6	0.4	259	7	US-11-000-463-276	Sequence 276, App
156	6	0.4	262	7	US-11-156-084-112	Sequence 112, App
157	6	0.4	267	7	US-11-056-408-4	Sequence 4, Appli
158	6	0.4	268	7	US-11-056-408-14	Sequence 14, Appli
159	6	0.4	269	6	US-10-821-234-1308	Sequence 1308, Ap
160	6	0.4	270	6	US-10-467-657-5806	Sequence 5806, Ap
161	6	0.4	273	7	US-11-152-366-50	Sequence 50, Appli
162	6	0.4	274	6	US-10-467-657-1454	Sequence 1454, Ap
163	6	0.4	277	6	US-10-667-295-85	Sequence 85, Appli
164	6	0.4	278	6	US-10-793-626-1746	Sequence 1746, Ap
165	6	0.4	279	7	US-11-082-389-264	Sequence 264, App
166	6	0.4	279	7	US-11-056-408-13	Sequence 13, Appli
167	6	0.4	280	7	US-11-071-062-3	Sequence 3, Appli
168	6	0.4	281	6	US-10-967-648A-12	Sequence 12, Appli
169	6	0.4	281	6	US-10-883-512-90	Sequence 90, Appli
170	6	0.4	284	7	US-11-056-408-10	Sequence 10, Appli
171	6	0.4	285	7	US-11-082-389-324	Sequence 324, App
172	6	0.4	285	7	US-11-055-822-1118	Sequence 1118, Ap
173	6	0.4	286	7	US-11-063-343-22	Sequence 22, Appli
174	6	0.4	288	7	US-11-135-855-30	Sequence 30, Appli
175	6	0.4	290	7	US-11-082-389-416	Sequence 416, App
176	6	0.4	292	6	US-10-467-657-2590	Sequence 2590, Ap
177	6	0.4	292	7	US-11-071-062-5	Sequence 5, Appli
178	6	0.4	294	7	US-11-074-176-34	Sequence 34, Appli
179	6	0.4	295	6	US-10-793-626-2998	Sequence 2998, Ap
180	6	0.4	299	6	US-10-131-826A-366	Sequence 366, App
181	6	0.4	299	7	US-11-000-463-275	Sequence 275, App
182	6	0.4	299	7	US-11-000-463-747	Sequence 747, App
183	6	0.4	299	7	US-11-000-463-748	Sequence 748, App
184	6	0.4	299	7	US-11-173-037-7	Sequence 7, Appli
185	6	0.4	300	6	US-10-667-295-117	Sequence 117, App
186	6	0.4	300	7	US-11-025-834A-21	Sequence 21, Appli
187	6	0.4	302	6	US-10-667-295-116	Sequence 116, App
188	6	0.4	302	6	US-10-467-657-4028	Sequence 4028, Ap
189	6	0.4	302	7	US-11-156-084-345	Sequence 345, Appli
190	6	0.4	303	7	US-11-135-855-31	Sequence 31, Appli
191	6	0.4	304	6	US-10-467-657-506	Sequence 506, App
192	6	0.4	313	7	US-11-166-412-228	Sequence 228, App
193	6	0.4	314	7	US-11-129-143-98	Sequence 98, Appli
194	6	0.4	314	7	US-11-156-084-296	Sequence 296, App
195	6	0.4	315	6	US-10-453-372-212	Sequence 212, App
196	6	0.4	316	6	US-10-667-295-115	Sequence 115, App
197	6	0.4	318	6	US-10-131-826A-374	Sequence 374, App
198	6	0.4	318	7	US-11-021-305-168	Sequence 168, App
199	6	0.4	319	6	US-10-793-626-2368	Sequence 2368, Ap
200	6	0.4	323	6	US-10-821-234-981	Sequence 981, App
201	6	0.4	326	6	US-10-485-517-306	Sequence 306, App
202	6	0.4	328	6	US-10-131-826A-326	Sequence 326, App
203	6	0.4	328	7	US-11-149-403-9	Sequence 9, Appli
204	6	0.4	328	7	US-11-152-697-4	Sequence 4, Appli
205	6	0.4	329	6	US-10-995-561-694	Sequence 694, App
206	6	0.4	331	6	US-10-467-962B-61	Sequence 61, Appli
207	6	0.4	331	6	US-10-667-657-2442	Sequence 2442, Ap
208	6	0.4	331	7	US-11-143-980-57	Sequence 57, Appli
209	6	0.4	336	7	US-11-099-691-8	Sequence 8, Appli
210	6	0.4	338	6	US-10-914-165-37	Sequence 37, Appli
211	6	0.4	338	6	US-10-793-626-2868	Sequence 2868, Ap
212	6	0.4	338	6	US-10-467-657-8208	Sequence 8208, Ap
213	6	0.4	344	6	US-10-467-657-2616	Sequence 2616, Ap
214	6	0.4	346	6	US-10-793-626-2034	Sequence 2034, Ap
215	6	0.4	347	6	US-10-453-528-20	Sequence 20, Appli
216	6	0.4	350	7	US-10-474-437-290	Sequence 290, Appli
217	6	0.4	350	7	US-11-214-199-25	Sequence 25, Appli
218	6	0.4	355	6	US-10-467-657-7996	Sequence 7996, Ap
219	6	0.4	359	7	US-11-123-013-6	Sequence 6, Appli
220	6	0.4	360	7	US-11-052-554A-376	Sequence 376, App
221	6	0.4	361	6	US-10-131-826A-252	Sequence 252, App
222	6	0.4	362	7	US-11-082-389-418	Sequence 418, App
223	6	0.4	363	7	US-11-054-281-120	Sequence 120, App
224	6	0.4	364	6	US-10-793-626-2626	Sequence 2626, Ap
225	6	0.4	366	7	US-11-156-084-137	Sequence 137, App
226	6	0.4	369	7	US-11-024-959-485	Sequence 485, App
227	6	0.4	371	6	US-10-454-437-250	Sequence 250, App
228	6	0.4	371	7	US-11-120-308-118	Sequence 118, App
229	6	0.4	372	7	US-11-024-959-362	Sequence 362, App
230	6	0.4	374	7	US-11-000-463-453	Sequence 453, App
231	6	0.4	379	5	US-09-978-360A-506	Sequence 506, App
232	6	0.4	380	6	US-10-467-657-6760	Sequence 6760, Ap
233	6	0.4	380	6	US-10-525-674-28	Sequence 28, Appli
234	6	0.4	383	7	US-11-159-516A-2	Sequence 2, Appli
235	6	0.4	383	7	US-11-159-516A-29	Sequence 29, Appli
236	6	0.4	386	6	US-10-131-826A-340	Sequence 340, App
237	6	0.4	386	7	US-11-185-878-2	Sequence 2, Appli
238	6	0.4	386	7	US-11-099-135-1	Sequence 1, Appli
239	6	0.4	387	7	US-11-039-425-5	Sequence 5, Appli
240	6	0.4	388	6	US-10-527-500-5	Sequence 5, Appli
241	6	0.4	389	7	US-11-000-463-316	Sequence 316, App
242	6	0.4	392	6	US-10-957-569-35	Sequence 35, Appli
243	6	0.4	393	6	US-10-527-500-7	Sequence 7, Appli
244	6	0.4	394	7	US-11-055-822-1094	Sequence 1094, Ap

245	6	0.4	394	7	US-11-043-752-2	Sequence 2, Appli
246	6	0.4	396	7	US-11-125-295-11	Sequence 11, Appli
247	6	0.4	397	6	US-10-467-657-4202	Sequence 4202, Ap
248	6	0.4	400	6	US-10-485-517-317	Sequence 317, App
249	6	0.4	405	6	US-10-517-939-132	Sequence 132, App
250	6	0.4	407	7	US-11-125-295-9	Sequence 9, Appli
251	6	0.4	411	6	US-10-467-657-8252	Sequence 8252, Ap
252	6	0.4	415	6	US-10-467-657-7774	Sequence 7774, Ap
253	6	0.4	421	6	US-10-453-372-220	Sequence 220, App
254	6	0.4	422	6	US-10-467-657-212	Sequence 212, App
255	6	0.4	422	6	US-10-467-657-6516	Sequence 6516, Ap
256	6	0.4	422	6	US-10-714-887-222	Sequence 222, App
257	6	0.4	429	7	US-11-022-562-234	Sequence 234, App
258	6	0.4	429	7	US-11-071-062-9	Sequence 9, Appli
259	6	0.4	432	6	US-10-454-437-140	Sequence 140, App
260	6	0.4	432	7	US-11-055-822-184	Sequence 184, App
261	6	0.4	432	7	US-11-194-246-308	Sequence 308, App
262	6	0.4	436	6	US-10-467-657-7728	Sequence 7728, Ap
263	6	0.4	436	7	US-11-116-939-9	Sequence 9, Appli
264	6	0.4	437	6	US-10-453-372-438	Sequence 438, App
265	6	0.4	437	7	US-11-061-869-13	Sequence 13, Appli
266	6	0.4	437	7	US-11-194-246-324	Sequence 324, App
267	6	0.4	437	7	US-11-197-721-11	Sequence 11, Appli
268	6	0.4	438	6	US-10-650-326B-9	Sequence 9, Appli
269	6	0.4	438	7	US-11-024-959-342	Sequence 342, App
270	6	0.4	439	7	US-11-000-463-788	Sequence 788, App
271	6	0.4	439	7	US-11-080-991-18	Sequence 18, Appli
272	6	0.4	444	7	US-11-074-176-170	Sequence 170, App
273	6	0.4	445	6	US-10-453-372-2	Sequence 2, Appli
274	6	0.4	446	7	US-11-082-389-316	Sequence 316, App
275	6	0.4	449	7	US-11-071-062-1	Sequence 1, Appli
276	6	0.4	449	7	US-11-196-459-1	Sequence 1, Appli
277	6	0.4	449	7	US-11-196-459-2	Sequence 2, Appli
278	6	0.4	456	6	US-10-763-712A-44	Sequence 44, Appli
279	6	0.4	458	6	US-10-763-712A-32	Sequence 32, Appli
280	6	0.4	458	7	US-11-069-642-3	Sequence 3, Appli
281	6	0.4	460	7	US-11-076-163-5	Sequence 5, Appli
282	6	0.4	460	7	US-11-166-412-68	Sequence 68, Appli
283	6	0.4	461	6	US-10-989-649-1	Sequence 1, Appli
284	6	0.4	462	7	US-11-197-721-13	Sequence 13, Appli
285	6	0.4	463	6	US-10-531-844-1	Sequence 1, Appli
286	6	0.4	466	7	US-11-010-239-20	Sequence 20, Appli
287	6	0.4	467	7	US-11-000-463-452	Sequence 452, App
288	6	0.4	467	7	US-11-000-463-924	Sequence 924, App
289	6	0.4	467	7	US-11-000-463-925	Sequence 925, App
290	6	0.4	471	7	US-11-024-959-399	Sequence 399, App
291	6	0.4	475	7	US-11-061-869-15	Sequence 15, Appli
292	6	0.4	477	6	US-10-524-647-118	Sequence 118, App
293	6	0.4	479	7	US-11-152-366-48	Sequence 48, Appli
294	6	0.4	485	6	US-10-793-626-1346	Sequence 1346, Ap
295	6	0.4	485	7	US-11-165-211-47	Sequence 47, Appli
296	6	0.4	485	7	US-11-165-226-57	Sequence 57, Appli
297	6	0.4	488	6	US-10-995-561-860	Sequence 860, App
298	6	0.4	489	6	US-10-793-626-3068	Sequence 3068, Ap
299	6	0.4	489	6	US-10-793-626-3178	Sequence 3178, Ap
300	6	0.4	491	6	US-10-793-626-406	Sequence 406, App
301	6	0.4	491	6	US-10-793-626-2104	Sequence 2104, Ap
302	6	0.4	498	6	US-10-467-657-5006	Sequence 5006, Ap
303	6	0.4	502	6	US-10-966-483-23	Sequence 23, Appli
304	6	0.4	502	7	US-11-021-441-7	Sequence 7, Appli
305	6	0.4	503	6	US-10-873-528-74	Sequence 74, Appli
306	6	0.4	506	6	US-10-873-528-80	Sequence 80, Appli
307	6	0.4	506	7	US-11-055-822-946	Sequence 946, App
308	6	0.4	509	7	US-11-124-327-2	Sequence 2, Appli
309	6	0.4	511	7	US-11-055-822-698	Sequence 698, App
310	6	0.4	513	6	US-10-650-326B-16	Sequence 16, Appli
311	6	0.4	513	7	US-11-000-463-816	Sequence 816, App
312	6	0.4	520	7	US-11-055-822-944	Sequence 944, App
313	6	0.4	521	7	US-11-143-980-32	Sequence 32, Appli
314	6	0.4	521	7	US-11-152-366-49	Sequence 49, Appli
315	6	0.4	522	6	US-10-519-390-21	Sequence 21, Appli
316	6	0.4	522	7	US-11-055-822-1100	Sequence 1100, Ap
317	6	0.4	522	7	US-11-152-366-51	Sequence 51, Appli
318	6	0.4	524	7	US-11-118-809-4	Sequence 4, Appli
319	6	0.4	527	7	US-11-010-239-83	Sequence 83, Appli
320	6	0.4	529	7	US-11-174-150-46	Sequence 46, Appli
321	6	0.4	529	7	US-11-210-316-28	Sequence 28, Appli
322	6	0.4	533	6	US-10-453-372-230	Sequence 230, App
323	6	0.4	533	6	US-10-453-372-232	Sequence 232, App
324	6	0.4	536	6	US-10-453-372-6	Sequence 6, Appli
325	6	0.4	536	6	US-10-453-372-22	Sequence 22, Appli
326	6	0.4	536	6	US-10-453-372-24	Sequence 24, Appli
327	6	0.4	536	6	US-10-453-372-26	Sequence 26, Appli
328	6	0.4	536	6	US-10-453-372-28	Sequence 28, Appli
329	6	0.4	536	6	US-10-453-372-30	Sequence 30, Appli
330	6	0.4	539	6	US-10-821-234-1567	Sequence 1567, Ap
331	6	0.4	541	7	US-11-118-855-26	Sequence 26, Appli
332	6	0.4	541	7	US-11-010-239-95	Sequence 95, Appli
333	6	0.4	542	6	US-10-453-372-10	Sequence 10, Appli
334	6	0.4	543	6	US-10-858-730-221	Sequence 221, App
335	6	0.4	544	6	US-10-821-234-889	Sequence 889, App
336	6	0.4	552	6	US-10-453-372-14	Sequence 14, Appli
337	6	0.4	552	6	US-10-453-372-234	Sequence 234, App
338	6	0.4	552	6	US-10-453-372-236	Sequence 236, App
339	6	0.4	552	6	US-10-453-372-238	Sequence 238, App
340	6	0.4	552	6	US-10-453-372-240	Sequence 240, App
341	6	0.4	552	6	US-10-453-372-242	Sequence 242, App
342	6	0.4	552	6	US-10-453-372-244	Sequence 244, App
343	6	0.4	552	6	US-10-453-372-246	Sequence 246, App
344	6	0.4	552	6	US-10-453-372-248	Sequence 248, App
345	6	0.4	552	6	US-10-453-372-250	Sequence 250, App
346	6	0.4	556	6	US-10-613-744-8	Sequence 8, Appli
347	6	0.4	556	6	US-10-453-372-210	Sequence 210, App
348	6	0.4	556	7	US-11-124-368A-303	Sequence 303, App
349	6	0.4	558	6	US-10-467-657-1734	Sequence 1734, Ap
350	6	0.4	560	7	US-11-080-991-62	Sequence 62, Appli
351	6	0.4	563	6	US-10-966-483-25	Sequence 25, Appli
352	6	0.4	563	7	US-11-021-441-9	Sequence 9, Appli
353	6	0.4	563	7	US-11-113-224-18	Sequence 18, Appli
354	6	0.4	565	6	US-10-485-517-300	Sequence 300, App
355	6	0.4	572	6	US-10-453-372-16	Sequence 16, Appli
356	6	0.4	574	6	US-10-507-275-7	Sequence 7, Appli
357	6	0.4	574	6	US-10-770-726-50	Sequence 50, Appli
358	6	0.4	574	6	US-10-966-483-31	Sequence 31, Appli
359	6	0.4	574	7	US-11-021-441-15	Sequence 15, Appli
360	6	0.4	577	7	US-11-082-389-134	Sequence 134, App
361	6	0.4	581	6	US-10-966-483-27	Sequence 27, Appli
362	6	0.4	581	6	US-10-966-483-29	Sequence 29, Appli
363	6	0.4	581	7	US-11-021-441-11	Sequence 11, Appli
364	6	0.4	581	7	US-11-021-441-13	Sequence 13, Appli
365	6	0.4	583	6	US-10-880-881-10	Sequence 10, Appli
366	6	0.4	588	6	US-10-453-372-8	Sequence 8, Appli
367	6	0.4	588	6	US-10-453-372-12	Sequence 12, Appli
368	6	0.4	588	7	US-11-186-284-213	Sequence 213, App
369	6	0.4	589	6	US-10-453-372-226	Sequence 226, App
370	6	0.4	596	6	US-10-821-234-1068	Sequence 1068, Ap
371	6	0.4	596	6	US-10-821-234-100	Sequence 100, App
372	6	0.4	596	7	US-11-102-240-100	Sequence 100, App
373	6	0.4	601	6	US-10-821-234-958	Sequence 958, App
374	6	0.4	605	6	US-10-689-742-140	Sequence 140, App
375	6	0.4	611	6	US-10-517-939-156	Sequence 156, App
376	6	0.4	612	7	US-11-186-284-136	Sequence 136, App
377	6	0.4	613	6	US-10-467-657-5796	Sequence 5796, Ap
378	6	0.4	619	6	US-10-763-712A-35	Sequence 35, Appli
379	6	0.4	620	6	US-10-793-626-606	Sequence 606, App
380	6	0.4	620	7	US-11-186-284-134	Sequence 134, App
381	6	0.4	621	6	US-10-793-626-2614	Sequence 2614, Ap
382	6	0.4	621	6	US-10-821-234-1376	Sequence 1376, Ap
383	6	0.4	622	7	US-11-021-441-35	Sequence 35, Appli
384	6	0.4	622	7	US-11-155-288-17	Sequence 17, Appli
385	6	0.4	622	7	US-11-040-215-2	Sequence 2, Appli
386	6	0.4	622	7	US-11-054-281-48	Sequence 48, Appli
387	6	0.4	622	7	US-11-054-281-49	Sequence 49, Appli
388	6	0.4	622	7	US-11-054-281-50	Sequence 50, Appli
389	6	0.4	622	7	US-11-054-281-50	Sequence 50, Appli
390	6	0.4	628	7	US-11-040-215-1	Sequence 1, Appli

391	6	0.4	628	7	US-11-040-240-1	Sequence 1, Appli
392	6	0.4	628	7	US-11-054-281-4	Sequence 4, Appli
393	6	0.4	628	7	US-11-054-281-46	Sequence 46, Appl
394	6	0.4	629	7	US-11-175-690-562	Sequence 562, App
395	6	0.4	630	7	US-11-155-288-18	Sequence 18, Appl
396	6	0.4	630	7	US-11-054-281-47	Sequence 47, Appl
397	6	0.4	633	7	US-11-119-683-3	Sequence 3, Appli
398	6	0.4	646	6	US-10-995-561-695	Sequence 695, App
399	6	0.4	662	6	US-10-493-909-80	Sequence 80, Appl
400	6	0.4	664	7	US-11-080-991-40	Sequence 40, Appl
401	6	0.4	667	6	US-10-793-626-2416	Sequence 2416, Ap
402	6	0.4	669	6	US-10-453-372-216	Sequence 216, App
403	6	0.4	669	6	US-10-453-372-218	Sequence 218, App
404	6	0.4	671	7	US-11-150-883-6	Sequence 6, Appli
405	6	0.4	676	6	US-10-453-372-440	Sequence 440, App
406	6	0.4	676	7	US-11-052-554A-41	Sequence 41, Appl
407	6	0.4	680	6	US-10-467-657-7612	Sequence 7612, Ap
408	6	0.4	685	6	US-10-490-824-5	Sequence 5, Appli
409	6	0.4	686	7	US-11-150-883-5	Sequence 5, Appli
410	6	0.4	691	6	US-10-131-826A-16	Sequence 16, Appl
411	6	0.4	693	7	US-11-189-301-20	Sequence 20, Appl
412	6	0.4	693	7	US-11-167-856-2	Sequence 2, Appli
413	6	0.4	694	7	US-11-074-176-340	Sequence 340, App
414	6	0.4	697	7	US-11-074-176-150	Sequence 150, App
415	6	0.4	701	7	US-11-189-301-19	Sequence 19, Appl
416	6	0.4	703	6	US-10-821-234-963	Sequence 963, App
417	6	0.4	708	6	US-10-636-320-2	Sequence 2, Appli
418	6	0.4	709	6	US-10-131-826A-202	Sequence 202, App
419	6	0.4	709	6	US-10-519-238-3	Sequence 3, Appli
420	6	0.4	716	6	US-10-131-826A-512	Sequence 512, App
421	6	0.4	716	6	US-10-467-657-8370	Sequence 8370, Ap
422	6	0.4	716	7	US-11-147-047-52	Sequence 52, Appl
423	6	0.4	716	7	US-11-142-867-2	Sequence 2, Appli
424	6	0.4	717	7	US-11-010-239-111	Sequence 111, App
425	6	0.4	721	7	US-11-128-059-88	Sequence 88, Appl
426	6	0.4	727	6	US-10-995-561-864	Sequence 864, Appl
427	6	0.4	728	6	US-10-530-340-14	Sequence 14, Appl
428	6	0.4	730	6	US-10-453-372-444	Sequence 444, App
429	6	0.4	737	6	US-10-453-372-434	Sequence 434, App
430	6	0.4	737	6	US-10-453-372-446	Sequence 446, App
431	6	0.4	737	6	US-10-453-372-448	Sequence 448, App
432	6	0.4	737	6	US-10-453-372-450	Sequence 450, App
433	6	0.4	737	6	US-10-453-372-452	Sequence 452, App
434	6	0.4	737	6	US-10-453-372-454	Sequence 454, App
435	6	0.4	737	6	US-10-453-372-456	Sequence 456, App
436	6	0.4	753	7	US-11-186-284-153	Sequence 153, App
437	6	0.4	759	6	US-10-858-730-75	Sequence 75, Appl
438	6	0.4	760	6	US-10-858-730-76	Sequence 76, Appl
439	6	0.4	765	6	US-10-131-826A-28	Sequence 28, Appl
440	6	0.4	766	7	US-11-189-301-21	Sequence 21, Appl
441	6	0.4	770	6	US-10-821-234-1269	Sequence 1269, Ap
442	6	0.4	780	6	US-10-878-556A-197	Sequence 197, App
443	6	0.4	782	6	US-10-995-561-861	Sequence 861, App
444	6	0.4	794	7	US-11-218-986-2	Sequence 2, Appli
445	6	0.4	798	7	US-11-107-028-2	Sequence 2, Appli
446	6	0.4	804	6	US-10-467-962B-57	Sequence 57, Appl
447	6	0.4	810	6	US-10-453-372-1116	Sequence 1116, Ap
448	6	0.4	820	6	US-10-821-234-1176	Sequence 1176, Ap
449	6	0.4	847	6	US-10-995-561-863	Sequence 863, App
450	6	0.4	847	6	US-10-995-561-865	Sequence 865, App
451	6	0.4	858	6	US-10-878-556A-113	Sequence 113, App
452	6	0.4	867	6	US-10-725-475-19	Sequence 19, Appl
453	6	0.4	869	7	US-11-043-752-45	Sequence 45, Appl
454	6	0.4	871	6	US-10-933-025-3	Sequence 3, Appli
455	6	0.4	872	6	US-10-467-657-78	Sequence 78, Appl
456	6	0.4	873	6	US-10-793-626-3036	Sequence 3036, Ap
457	6	0.4	886	6	US-10-467-657-4544	Sequence 4544, Ap
458	6	0.4	892	7	US-11-082-389-396	Sequence 396, App
459	6	0.4	897	6	US-10-453-372-208	Sequence 208, App
460	6	0.4	897	7	US-11-137-465-35	Sequence 35, Appl
461	6	0.4	908	6	US-10-517-939-360	Sequence 360, App
462	6	0.4	918	6	US-10-995-561-696	Sequence 696, App
463	6	0.4	919	6	US-10-063-703-70	Sequence 70, Appl

464	6	0.4	919	7	US-11-074-176-284	Sequence 284, App
465	6	0.4	919	7	US-11-102-240-70	Sequence 70, Appl
466	6	0.4	927	7	US-11-189-301-10	Sequence 10, Appl
467	6	0.4	931	7	US-11-128-059-86	Sequence 86, Appl
468	6	0.4	934	6	US-10-453-372-1158	Sequence 1158, Ap
469	6	0.4	957	7	US-11-108-172-1065	Sequence 1065, Ap
470	6	0.4	976	6	US-10-966-483-2	Sequence 2, Appli
471	6	0.4	988	7	US-11-171-701-6	Sequence 6, Appli
472	6	0.4	993	7	US-11-137-465-36	Sequence 36, Appl
473	6	0.4	997	7	US-11-080-991-50	Sequence 50, Appl
474	6	0.4	999	6	US-10-821-234-1251	Sequence 1251, Ap
475	6	0.4	999	7	US-11-113-424-36	Sequence 36, Appl
476	6	0.4	1013	7	US-11-103-957-9	Sequence 9, Appli
477	6	0.4	1019	6	US-10-995-561-982	Sequence 982, App
478	6	0.4	1023	6	US-10-131-826A-200	Sequence 200, App
479	6	0.4	1035	6	US-10-966-483-20	Sequence 20, Appl
480	6	0.4	1035	7	US-11-021-441-4	Sequence 4, Appli
481	6	0.4	1062	7	US-11-137-465-43	Sequence 43, Appli
482	6	0.4	1066	7	US-11-055-822-370	Sequence 370, App
483	6	0.4	1066	7	US-11-055-822-1002	Sequence 1002, Ap
484	6	0.4	1068	6	US-10-467-657-2904	Sequence 2904, Ap
485	6	0.4	1071	7	US-11-043-752-44	Sequence 44, Appl
486	6	0.4	1084	6	US-10-964-313-2	Sequence 2, Appli
487	6	0.4	1113	7	US-11-055-822-368	Sequence 368, App
488	6	0.4	1113	7	US-11-055-822-1000	Sequence 1000, Ap
489	6	0.4	1126	7	US-11-075-185-3	Sequence 3, Appli
490	6	0.4	1151	7	US-11-128-420-10	Sequence 10, Appl
491	6	0.4	1155	6	US-10-793-626-1780	Sequence 1780, Ap
492	6	0.4	1167	7	US-11-097-125-2	Sequence 2, Appli
493	6	0.4	1170	6	US-10-831-997-2	Sequence 2, Appli
494	6	0.4	1170	6	US-10-995-561-594	Sequence 594, App
495	6	0.4	1170	6	US-10-995-561-595	Sequence 595, App
496	6	0.4	1170	6	US-10-995-561-596	Sequence 596, App
497	6	0.4	1170	7	US-11-046-456-28	Sequence 28, Appl
498	6	0.4	1170	7	US-11-046-644-28	Sequence 28, Appl
499	6	0.4	1184	6	US-10-131-826A-394	Sequence 394, App
500	6	0.4	1188	7	US-11-143-984A-27	Sequence 27, Appl

ALIGNMENTS

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RESULT 1
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc SEO_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-821-234-1283
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Query Match 1.2%; Score 18; DB 6; Length 1627;
Best Local Similarity 100.0%; Pred. No. 8e-10;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 585 FTPNQVARMHCYLDLVYQ 602
Db 647 FTPNQVARMHCYLDLVYQ 664

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RESULT 2
US-11-194-246-412
; Sequence 412, Application US/11194246
; Publication No: US20050272089A1
; GENERAL INFORMATION:
; APPLICANT: Molt, John
; APPLICANT: Trepod, Catherine
; APPLICANT: Atvidson, Staffan
; TITLE OF INVENTION: CRITICAL GENES AND POLYPEPTIDES OF HAEMOPHILUS INFLUENZAE AND MET
; TITLE OF INVENTION: USE
; FILE REFERENCE: 00592.US1 (MAR 268.05920101)
; CURRENT APPLICATION NUMBER: US/11/194,246
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/10/274,586
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/345,438
; PRIOR FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 621
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 412
; LENGTH: 103
; TYPE: PRT
; ORGANISM: HAEMOPHILUS INFLUENZAE
US-11-194-246-412

Query Match          0.4%; Score 7; DB 7; Length 103;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDKGKR 101
Db 16 GKDKGKR 22

RESULT 3
US-10-793-626-1852
; Sequence 1852, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1852
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1852

Query Match          0.4%; Score 7; DB 6; Length 136;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 AIIAGVF 76
Db 18 AIIAGVF 24

RESULT 4
US-10-467-657-2258
; Sequence 2258, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
```

```
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqwIn99, version 1.04
; SEQ ID NO 2258
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2258

Query Match          0.4%; Score 7; DB 6; Length 169;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 EIPREAF 54
Db 86 EIPREAF 92

RESULT 5
US-11-165-067A-47
; Sequence 47, Application US/11165067A
; Publication No. US20060014257A1
; GENERAL INFORMATION:
; APPLICANT: KATASHKINA Joanna Yosifovna
; APPLICANT: SKOROKHODOVA Aleksandra Yurievna
; APPLICANT: ZIMENKOV Danila Vadimovich
; APPLICANT: GULEVICH Andrey Yurievich
; APPLICANT: ERRATS Lopes Lubov
; APPLICANT: BIRYUKOVA Irina Vladimirovna
; APPLICANT: MIRONOV Aleksandr Sergeevich
; APPLICANT: MASHKO Sergei Vladimirovich
; TITLE OF INVENTION: RSF1010 DERIVATIVE Mob- PLASMID CONTAINING NO ANTIBIOTIC RESISTAN
; TITLE OF INVENTION: BACTERIUM COMPRISING THE VECTOR AND METHOD FOR PRODUCING USEFUL
; FILE REFERENCE: US-174
; CURRENT APPLICATION NUMBER: US/11/165,067A
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: RU2004119027
; PRIOR FILING DATE: 2004-06-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Escherichia coli
US-11-165-067A-47

Query Match          0.4%; Score 7; DB 7; Length 205;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGLS 1133
Db 50 SSRIGLS 56

RESULT 6
US-10-454-437-388
; Sequence 388, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schröder, Hartwig
; APPLICANT: Zelder, Oskar
```

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; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 388
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-388
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Query Match      0.4%; Score 7; DB 6; Length 250;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1117 VGISAVA 1123
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Db       106 VGISAVA 112
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RESULT 7
US-11-166-412-219
; Sequence 219, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 219
; LENGTH: 286
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-219
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Query Match      0.4%; Score 7; DB 7; Length 286;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      310 SEQIRL 316
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Db       9 SEQIRL 15
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RESULT 8
US-11-080-091-13
; Sequence 13, Application US/11080091
; Publication No. US20050261224A1
; GENERAL INFORMATION:
; APPLICANT: Kuchroo, Vijay K.
; APPLICANT: Chakravarti, Sumone
; APPLICANT: Strom, Terry
; APPLICANT: Zheng, Xin Xiao
; APPLICANT: Meyers, Jennifer
; TITLE OF INVENTION: METHODS OF MODULATING IMMUNE RESPONSES
; TITLE OF INVENTION: BY MODULATING TIM-1, TIM-2 AND TIM-4 FUNCTION
; FILE REFERENCE: BWOC-P01-002
; CURRENT APPLICATION NUMBER: US/11/080,091
; CURRENT FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/552,523
; PRIOR FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US 60/622,559
; PRIOR FILING DATE: 2004-10-27
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Mouse
US-11-080-091-13
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Query Match      0.4%; Score 7; DB 7; Length 305;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      477 THLGIV 483
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Db       41 THLGIV 47
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RESULT 9
US-11-087-177-11
; Sequence 11, Application US/11087177
; Publication No. US20050276756A1
; GENERAL INFORMATION:
; APPLICANT: Soo Hoo, William
; TITLE OF INVENTION: COMPOSITIONS AS ADJUVANTS TO IMPROVE
; FILE REFERENCE: 69247-018
; CURRENT APPLICATION NUMBER: US/11/087,177
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: 60/555,827
; PRIOR FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: 60/582,479
; PRIOR FILING DATE: 2004-06-23
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(305)
; OTHER INFORMATION: TIM-2 BALB/c allele
US-11-087-177-11
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Query Match      0.4%; Score 7; DB 7; Length 305;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 477 THLGIV 483
|||||
Db 41 THLGIV 47

RESULT 10
US-11-087-177-13

; Sequence 13, Application US/11087177
; Publication No. US20050276756A1
; GENERAL INFORMATION:
; APPLICANT: Soo Hoo, William
; TITLE OF INVENTION: COMPOSITIONS AS ADJUVANTS TO IMPROVE
; TITLE OF INVENTION: IMMUNE RESPONSES TO VACCINES AND METHODS OF USE
; FILE REFERENCE: 69247-018
; CURRENT APPLICATION NUMBER: US/11/087,177
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: 60/555,827
; PRIOR FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: 60/582,479
; PRIOR FILING DATE: 2004-06-23
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(305)
; OTHER INFORMATION: TIM-2, C.D2 ES-HBA AND DBA/2J allele
US-11-087-177-13

Query Match 0.4%; Score 7; DB 7; Length 305;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 477 THLGIV 483
|||||
Db 41 THLGIV 47

RESULT 11
US-11-166-412-220

; Sequence 220, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 220
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-220

Query Match 0.4%; Score 7; DB 7; Length 306;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 310 SEQIRL 316

Db 29 SEQIRL 35
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RESULT 12
US-10-995-561-947

; Sequence 947, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 947
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-947

Query Match 0.4%; Score 7; DB 6; Length 320;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1244 FSCSEGT 1250
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Db 238 FSCSEGT 244

RESULT 13
US-10-844-035-1

; Sequence 1, Application US/10844035
; Publication No. US20050255098A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN, STEVEN D.
; APPLICANT: NOBLE, LINDA J.
; TITLE OF INVENTION: METHODS OF TREATING TRAUMATIC SPINAL
; TITLE OF INVENTION: CORD INJURY
; FILE REFERENCE: UCAL-319
; CURRENT APPLICATION NUMBER: US/10/844,035
; CURRENT FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 372
; TYPE: PRT
; ORGANISM: homo sapien
US-10-844-035-1

Query Match 0.4%; Score 7; DB 6; Length 372;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1244 FSCSEGT 1250
|||||
Db 225 FSCSEGT 231

RESULT 14
US-10-995-561-948

; Sequence 948, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 948
; LENGTH: 373
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-946

Query Match 0.4%; Score 7; DB 6; Length 373;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250
Db 238 FSCSEGT 244

RESULT 15
US-10-995-561-946

; Sequence 946, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 946

; LENGTH: 375

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-995-561-946

Query Match 0.4%; Score 7; DB 6; Length 375;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250
Db 238 FSCSEGT 244

RESULT 16
US-10-995-561-945

; Sequence 945, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 945

; LENGTH: 385

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-995-561-945

Query Match 0.4%; Score 7; DB 6; Length 385;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250
Db 238 FSCSEGT 244

Db 238 FSCSEGT 244

RESULT 17

US-10-995-561-949

; Sequence 949, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559

; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24

; NUMBER OF SEQ ID NOS: 85702

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 949

; LENGTH: 385

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-995-561-949

Query Match 0.4%; Score 7; DB 6; Length 385;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250
Db 238 FSCSEGT 244

RESULT 18
US-10-793-626-552

; Sequence 552, Application US/10793626

; Publication No. US20050255478A1

; GENERAL INFORMATION:

; APPLICANT: KIMMERLY, WILLIAM JOHN

; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

; FILE REFERENCE: PU3480US

; CURRENT APPLICATION NUMBER: US/10/793,626

; CURRENT FILING DATE: 2004-03-04

; PRIOR APPLICATION NUMBER: 60/164,258

; PRIOR FILING DATE: 1999-11-09

; NUMBER OF SEQ ID NOS: 4472

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 552

; LENGTH: 394

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: synthetic

; OTHER INFORMATION: amino acid sequence

US-10-793-626-552

Query Match 0.4%; Score 7; DB 6; Length 394;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSR 667
Db 72 VHTASSR 78

RESULT 19
US-11-076-163-1

; Sequence 1, Application US/11076163

; Publication No. US20050261319A1

; GENERAL INFORMATION:

; APPLICANT: Deuschle, Ulrich

; APPLICANT: Loebbert, Ralph

; APPLICANT: Blume, Beatrix

; APPLICANT: Koegl, Manfred

```
; APPLICANT: Kremoser, Claus
; APPLICANT: Kober, Ingo
; APPLICANT: Bauer, Ulrike
; APPLICANT: Hermann, Kristina
; APPLICANT: Albers, Michael
; TITLE OF INVENTION: Novel 2-amino-4-quinazolinones and 2-amino-4-oxoquinazolinones as
; TITLE OF INVENTION: LXR Nuclear Receptor Binding Compounds with Partial Agonistic
; TITLE OF INVENTION: Properties
; FILE REFERENCE: BB-139
; CURRENT APPLICATION NUMBER: US/11/076,163
; CURRENT FILING DATE: 2005-03-09
; PRIOR APPLICATION NUMBER: PCT/EP03/10036
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: PCT/EP03/07067
; PRIOR FILING DATE: 2003-07-02
; PRIOR APPLICATION NUMBER: EP 02020255.2
; PRIOR FILING DATE: 2002-09-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-076-163-1
```

```
Query Match          0.4%; Score 7; DB 7; Length 447;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      310 SEQIRL 316
      |||||
Db      170 SEQIRL 176
```

```
RESULT 20
US-11-166-412-52:
; Sequence 52, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 52
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-166-412-52
```

```
Query Match          0.4%; Score 7; DB 7; Length 447;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      310 SEQIRL 316
      |||||
Db      170 SEQIRL 176
```

```
RESULT 21
US-10-131-826A-236
; Sequence 236, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 236
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-236
```

```
Query Match          0.4%; Score 7; DB 6; Length 457;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      208 SSQSSG 214
      |||||
Db      322 SSQSSG 328
```

```
RESULT 22
US-10-467-657-2612
; Sequence 2612, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
```

```
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2612
; LENGTH: 467
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2612
```

```
Query Match      0.4%; Score 7; DB 6; Length 467;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1119 ISAVLR 1125
      |||||
Db      209 ISAVLR 215
```

RESULT 23

```
US-10-821-234-1654
; Sequence 1654, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1654
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1654
```

```
Query Match      0.4%; Score 7; DB 6; Length 488;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1231 CGVPDS 1237
      |||||
Db      80 CGVPDS 86
```

RESULT 24

```
US-11-186-284-121
; Sequence 121, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPW01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
```

```
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 121
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-121
```

```
Query Match      0.4%; Score 7; DB 7; Length 488;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1231 CGVPDS 1237
      |||||
Db      80 CGVPDS 86
```

RESULT 25

```
US-11-087-227-90
; Sequence 90, Application US/11087227
; Publication No. US20050260566A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Timothy J.
; APPLICANT: Malinowski, Douglas P.
; APPLICANT: Taylor, Adrian J.
; APPLICANT: Parker, Margaret R.
; TITLE OF INVENTION: DETECTION OF CERVICAL DISEASE
; FILE REFERENCE: 046143/287139
; CURRENT APPLICATION NUMBER: US/11/087,227
; CURRENT FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: 60/556,495
; PRIOR FILING DATE: 2004-03-24
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 90
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-087-227-90
```

```
Query Match      0.4%; Score 7; DB 7; Length 821;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1126 TSSRIGL 1132
      |||||
Db      127 TSSRIGL 133
```

RESULT 26

```
US-11-109-157A-10
; Sequence 10, Application US/11109157A
; Publication No. US20050277175A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES
; FILE REFERENCE: 01997.030500.
; CURRENT APPLICATION NUMBER: US/11/109,157A
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: 60/562,685
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 871
; TYPE: PRT
; ORGANISM: homo sapiens
```

US-11-109-157A-10

Query Match 0.4%; Score 7; DB 7; Length 871;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRHRVVL 350
Db 732 LRHRVVL 738

RESULT 27

US-10-493-909-76
; Sequence 76, Application US/10493909
; Publication No. US20060015969A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING TOXICITY
; FILE REFERENCE: 41514-20004.01
; CURRENT APPLICATION NUMBER: US/10/493,909
; PRIOR FILING DATE: 2004-04-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 917
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-493-909-76

Query Match 0.4%; Score 7; DB 6; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124
Db 25 GISAVAL 31

RESULT 28

US-10-493-909-87
; Sequence 87, Application US/10493909
; Publication No. US20060015969A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING TOXICITY
; FILE REFERENCE: 41514-20004.01
; CURRENT APPLICATION NUMBER: US/10/493,909
; PRIOR FILING DATE: 2004-04-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 917
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-493-909-87

Query Match 0.4%; Score 7; DB 6; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124

Db 25 GISAVAL 31

RESULT 29
US-11-109-157A-9
; Sequence 9, Application US/11109157A
; Publication No. US20050277175A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES
; FILE REFERENCE: 01997.030500.
; CURRENT APPLICATION NUMBER: US/11/109,157A
; PRIOR FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: 60/562,685
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 1103
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-109-157A-9

Query Match 0.4%; Score 7; DB 7; Length 1103;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRHRVVL 350
Db 964 LRHRVVL 970

RESULT 30

US-11-102-217-2
; Sequence 2, Application US/11102217
; Publication No. US20050260233A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Garry T.
; APPLICANT: Okeke, Charles N.
; APPLICANT: Hung, Ching-Yu
; TITLE OF INVENTION: ATTENUATED VACCINE USEFUL FOR
; FILE REFERENCE: 529522000500
; CURRENT APPLICATION NUMBER: US/11/102,217
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/560,512
; PRIOR FILING DATE: 2004-04-07
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1857
; TYPE: PRT
; ORGANISM: Coccidioides spp.
US-11-102-217-2

Query Match 0.4%; Score 7; DB 7; Length 1857;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 898 GDLVSGD 904
Db 551 GDLVSGD 557

RESULT 31

US-10-453-372-170
; Sequence 170, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A


```
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 170
; LENGTH: 2333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-170
```

```
Query Match          0.4%; Score 7; DB 6; Length 2333;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      974 VSLVTGE 980
        |||||||
Db      1165 VSLVTGE 1171
```

```
RESULT 32
US-10-453-372-114
; Sequence 114, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
```

```
; SEQ ID NO 114
; LENGTH: 2662
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-114
```

```
Query Match          0.4%; Score 7; DB 6; Length 2662;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      974 VSLVTGE 980
        |||||||
Db      1494 VSLVTGE 1500
```

```
RESULT 33
US-10-453-372-148
; Sequence 148, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 148
; LENGTH: 2724
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-148
```

```
Query Match          0.4%; Score 7; DB 6; Length 2724;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      974 VSLVTGE 980
        |||||||
Db      1556 VSLVTGE 1562
```

```
RESULT 34
US-10-453-372-136
; Sequence 136, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
```

```
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 136
; LENGTH: 2733
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-136

Query Match      0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      974 VSLVTGE 980
      |||||
      1565 VSLVTGE 1571

Db

RESULT 35
US-10-453-372-142
; Sequence 142, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 142
; LENGTH: 2733
```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-142

Query Match      0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      974 VSLVTGE 980
      |||||
      1565 VSLVTGE 1571

Db

RESULT 36
US-10-453-372-146
; Sequence 146, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseq1ist version 0.1
; SEQ ID NO 146
; LENGTH: 2733
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-146

Query Match      0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      974 VSLVTGE 980
      |||||
      1565 VSLVTGE 1571

Db

RESULT 37
US-10-453-372-150
; Sequence 150, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
```

```
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/823187
/ PRIOR FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195792
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 09/839446
/ PRIOR FILING DATE: 2001-03-19
/ PRIOR APPLICATION NUMBER: 60/199476
/ PRIOR FILING DATE: 2000-03-25
/ PRIOR APPLICATION NUMBER: 09/863776
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: 60/208263
/ PRIOR FILING DATE: 2000-05-31
/ PRIOR APPLICATION NUMBER: 09/939398
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/227800
/ PRIOR FILING DATE: 2000-08-25
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1609
/ SOFTWARE: CuraSeqList version 0.1
/ SEQ ID NO 150
/ LENGTH: 2733
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-453-372-150
```

```
Query Match          0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      974 VSLVTGE 980
        |||||
Db       1565 VSLVTGE 1571
```

RESULT 38

US-10-453-372-154

/ Sequence 154, Application US/10453372

/ Publication No. US20060003323A1

/ GENERAL INFORMATION:

/ APPLICANT: Alsbrook, et al.

/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

/ FILE REFERENCE: 21402-589 A

/ CURRENT APPLICATION NUMBER: US/10/453,372

/ PRIOR APPLICATION NUMBER: 2003-06-03

/ PRIOR FILING DATE: 2001-02-23

/ PRIOR APPLICATION NUMBER: 60/185967

/ PRIOR FILING DATE: 2000-03-01

/ PRIOR APPLICATION NUMBER: 09/823187

/ PRIOR FILING DATE: 2001-03-29

/ PRIOR APPLICATION NUMBER: 60/195792

/ PRIOR FILING DATE: 2000-03-10

/ PRIOR APPLICATION NUMBER: 09/839446

/ PRIOR FILING DATE: 2001-03-19

/ PRIOR APPLICATION NUMBER: 60/199476

/ PRIOR FILING DATE: 2000-03-25

/ PRIOR APPLICATION NUMBER: 09/863776

/ PRIOR FILING DATE: 2001-05-23

/ PRIOR APPLICATION NUMBER: 60/208263

/ PRIOR FILING DATE: 2000-05-31

/ PRIOR APPLICATION NUMBER: 09/939398

/ PRIOR FILING DATE: 2001-08-24

/ PRIOR APPLICATION NUMBER: 60/227800

/ PRIOR FILING DATE: 2000-08-25

/ Remaining Prior Application data removed - See File Wrapper or PALM.

/ NUMBER OF SEQ ID NOS: 1609

/ SOFTWARE: CuraSeqList version 0.1

/ SEQ ID NO 154

/ LENGTH: 2733

/ TYPE: PRT

/ ORGANISM: Homo sapiens

US-10-453-372-154

```
Query Match          0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      974 VSLVTGE 980
        |||||
Db       1565 VSLVTGE 1571
```

RESULT 39

US-10-453-372-168

/ Sequence 168, Application US/10453372

/ Publication No. US20060003323A1

/ GENERAL INFORMATION:

/ APPLICANT: Alsbrook, et al.

/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

/ FILE REFERENCE: 21402-589 A

/ CURRENT APPLICATION NUMBER: US/10/453,372

/ PRIOR APPLICATION NUMBER: 2003-06-03

/ PRIOR FILING DATE: 2001-02-23

/ PRIOR APPLICATION NUMBER: 60/185967

/ PRIOR FILING DATE: 2000-03-01

/ PRIOR APPLICATION NUMBER: 09/823187

/ PRIOR FILING DATE: 2001-03-29

/ PRIOR APPLICATION NUMBER: 60/195792

/ PRIOR FILING DATE: 2000-03-10

/ PRIOR APPLICATION NUMBER: 09/839446

/ PRIOR FILING DATE: 2001-03-19

/ PRIOR APPLICATION NUMBER: 60/199476

/ PRIOR FILING DATE: 2000-03-25

/ PRIOR APPLICATION NUMBER: 09/863776

/ PRIOR FILING DATE: 2001-05-23

/ PRIOR APPLICATION NUMBER: 60/208263

/ PRIOR FILING DATE: 2000-05-31

/ PRIOR APPLICATION NUMBER: 09/939398

/ PRIOR FILING DATE: 2001-08-24

/ PRIOR APPLICATION NUMBER: 60/227800

/ PRIOR FILING DATE: 2000-08-25

/ Remaining Prior Application data removed - See File Wrapper or PALM.

/ NUMBER OF SEQ ID NOS: 1609

/ SOFTWARE: CuraSeqList version 0.1

/ SEQ ID NO 168

/ LENGTH: 2759

/ TYPE: PRT

/ ORGANISM: Homo sapiens

US-10-453-372-168

```
Query Match          0.4%; Score 7; DB 6; Length 2759;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      974 VSLVTGE 980
        |||||
Db       1591 VSLVTGE 1597
```

RESULT 40

US-10-453-372-116

/ Sequence 116, Application US/10453372

/ Publication No. US20060003323A1

/ GENERAL INFORMATION:

/ APPLICANT: Alsbrook, et al.

/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

/ FILE REFERENCE: 21402-589 A

/ CURRENT APPLICATION NUMBER: US/10/453,372

/ PRIOR APPLICATION NUMBER: 2003-06-03

/ PRIOR FILING DATE: 2001-02-23

/ PRIOR APPLICATION NUMBER: 60/185967

/ PRIOR FILING DATE: 2000-03-01

```
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CurSeqIst version 0.1
; SEQ ID NO 116
; LENGTH: 2765
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-116

Query Match
Best Local Similarity 0.4%; Score 7; DB 6; Length 2765;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 974 VSLVTGE 980
Db 1597 VSLVTGE 1603

RESULT 41
US-11-136-079-445
; Sequence 445, Application US/11136079
; Publication No. US20060014248A1
; GENERAL INFORMATION:
; APPLICANT: Marshall, Shannon Alicia
; APPLICANT: Moore, Gregory L.
; APPLICANT: Chirino, Arthur J.
; APPLICANT: Desjarlais, John R.
; TITLE OF INVENTION: TNF SUPER FAMILY MEMBERS WITH ALTERED IMMUNOGENICITY
; FILE REFERENCE: A-72175-4
; CURRENT APPLICATION NUMBER: US/11/136,079
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: US 60/573,206
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/573,301
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/573,395
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/588,314
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: US 60/607,396
; PRIOR FILING DATE: 2004-09-02
; PRIOR APPLICATION NUMBER: US 60/607,397
; PRIOR FILING DATE: 2004-09-02
; PRIOR APPLICATION NUMBER: US 10/794,751
; PRIOR FILING DATE: 2004-03-05
; PRIOR APPLICATION NUMBER: US 60/452,707
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/482,081
; PRIOR FILING DATE: 2003-06-23
; PRIOR APPLICATION NUMBER: US 10/338,785
; PRIOR FILING DATE: 2003-01-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 772
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 445
; LENGTH: 9
; TYPE: PRT
```

```
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-136-079-445

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 745 SQLVFD 750
Db 4 SQLVFD 9

RESULT 42
US-11-145-861-296
; Sequence 296, Application US/11145861
; Publication No. US20060014138A1
; GENERAL INFORMATION:
; APPLICANT: Chinaiyan, Arul
; APPLICANT: Wang, Xiaoju
; TITLE OF INVENTION: Phage Microarray Profiling of the Humoral Response to Disease
; FILE REFERENCE: UM-09899
; CURRENT APPLICATION NUMBER: US/11/145,861
; CURRENT FILING DATE: 2005-06-06
; NUMBER OF SEQ ID NOS: 464
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 296
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-145-861-296

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 22 NSQVGL 27
Db 1 NSQVGL 6

RESULT 43
US-11-128-059-14
; Sequence 14, Application US/11128059
; Publication No. US20050287638A1
; GENERAL INFORMATION:
; APPLICANT: WEIGEL, PAUL H
; APPLICANT: WEIGEL, JANET A
; TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND
; FILE REFERENCE: 5864.033
; CURRENT APPLICATION NUMBER: US/11/128,059
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: 60/570,915
; PRIOR FILING DATE: 2004-05-13
; PRIOR APPLICATION NUMBER: 10/133,172
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,468
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: 09/842,930
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 14
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-128-059-14

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 14;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```


QY 928 YEGDGI 933
|||||
Db 1 YEGDGI 6

RESULT 44

US-10-509-292-51
; Sequence 51, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Botaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Botaxin epitope
US-10-509-292-51

Query Match 0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||||
Db 1 CPPPPS 6

RESULT 45

US-10-509-292-53
; Sequence 53, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Botaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Botaxin epitope
US-10-509-292-53

Query Match 0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||||
Db 1 CPPPPS 6

RESULT 46
US-10-509-292-55
; Sequence 55, Application US/10509292

; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Botaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 55
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Botaxin epitope
US-10-509-292-55

Query Match 0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||||
Db 1 CPPPPS 6

RESULT 47

US-10-509-292-57
; Sequence 57, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Botaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Botaxin epitope
US-10-509-292-57

Query Match 0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||||
Db 1 CPPPPS 6

RESULT 48

US-10-509-292-59
; Sequence 59, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Botaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591

```
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 59
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-59
```

```
Query Match          0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1420 CPPPS 1425
Db       1 CPPPS 6
```

```
RESULT 49
US-10-509-292-61
; Sequence 61, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 61
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-61
```

```
Query Match          0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1420 CPPPS 1425
Db       1 CPPPS 6
```

```
RESULT 50
US-11-198-847-299
; Sequence 299, Application US/11198847
; Publication No. US20050271589A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Jones, Robert M.
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; TITLE OF INVENTION: B-Superfamily Conotoxins
; FILE REFERENCE: 2314-296
; CURRENT APPLICATION NUMBER: US/11/198,847
; PRIOR FILING DATE: 2005-08-08
; PRIOR APPLICATION NUMBER: US 10/838,226
; PRIOR FILING DATE: 2004-05-05
; PRIOR APPLICATION NUMBER: US 10/058,053
; PRIOR FILING DATE: 2000-01-29
; PRIOR APPLICATION NUMBER: US 60/264323
; PRIOR FILING DATE: 2001-01-29
```

```
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 299
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Conus baileyi
US-11-198-847-299
```

```
Query Match          0.4%; Score 6; DB 7; Length 22;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1361 VCEPP 1366
Db       15 VCEPP 20
```

```
RESULT 51
US-10-509-292-48
; Sequence 48, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 48
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-48
```

```
Query Match          0.4%; Score 6; DB 6; Length 27;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1420 CPPPS 1425
Db       1 CPPPS 6
```

```
RESULT 52
US-10-509-292-44
; Sequence 44, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-44
```

```
Query Match          0.4%; Score 6; DB 6; Length 28;
```

Best Local Similarity 100.0%; Pred. No. 44;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||
Db 1 CPPPPS 6

RESULT 53
US-10-509-292-45

; Sequence 45, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; TITLE OF INVENTION: Mediated Inflammatory Conditions
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; CURRENT FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Eotaxin epitope/Spacer
US-10-509-292-45

Query Match 0.4%; Score 6; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPPS 1425
|||
Db 22 CPPPPS 27

RESULT 54

US-10-957-351-179
; Sequence 179, Application US/10957351
; Publication No. US20060008844A1
; GENERAL INFORMATION:
; APPLICANT: Stemmer, Willem P. C.
; APPLICANT: Perloech, D. Victor
; APPLICANT: Satyal, Sanjeev
; APPLICANT: Avidia Research Institute
; TITLE OF INVENTION: c-Met Kinase Binding Proteins
; FILE REFERENCE: 022013-001400US
; CURRENT APPLICATION NUMBER: US/10/957,351
; CURRENT FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 10/871,602
; PRIOR FILING DATE: 2004-06-17
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 179
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human LDL-receptor class A domain
US-10-957-351-179

Query Match 0.4%; Score 6; DB 6; Length 37;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1214 TCSSGH 1219
|||
Db 7 TCSSGH 12

RESULT 55
US-10-957-887B-291

; Sequence 291, Application US/10957887B
; Publication No. US20050272677A1
; GENERAL INFORMATION:
; APPLICANT: Friesen, Robert H. E.
; APPLICANT: Leenhouts, Cornelius J.
; APPLICANT: Hector, Harm
; APPLICANT: van Esch, Johannes H.
; APPLICANT: Heeres, Andre
; TITLE OF INVENTION: DELIVERY OF A SUBSTANCE TO A PRE-DETERMINED SITE
; FILE REFERENCE: 2183-6668US
; CURRENT APPLICATION NUMBER: US/10/957,887B
; CURRENT FILING DATE: 2004-10-04
; PRIOR APPLICATION NUMBER: PCT/NL/00256
; PRIOR FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 291
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Thermotoga maritima
US-10-957-887B-291

Query Match 0.4%; Score 6; DB 6; Length 44;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1164 PSLLLD 1169
|||
Db 20 PSLLLD 25

RESULT 56

US-10-467-657-4280
; Sequence 4280, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 4280
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4280

Query Match 0.4%; Score 6; DB 6; Length 48;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 83 VSDKGW 88
|||
Db 1 VSDKGW 6

RESULT 57
US-11-019-711-57

; Sequence 57, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh

```
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patuturajan, Meera
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; PRIOR FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 57
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: laminin
; OTHER INFORMATION: EGF-like Consensus Sequence
US-11-019-711-57

Query Match      0.4%; Score 6; DB 7; Length 49;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Oy 1323 CKPGY 1328
Db 34 CKPGY 39

RESULT 58
US-11-000-463-433
; Sequence 433, Application US/11000463
; Publication No. US20050266423A1

```
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; PRIOR FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 433
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-433

Query Match      0.4%; Score 6; DB 7; Length 56;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Oy 259 SPLQP 264
Db 22 SPLQP 27

RESULT 59
US-11-000-463-905
; Sequence 905, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; PRIOR FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03


```
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 905
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-905
```

```
Query Match      0.4%; Score 6; DB 7; Length 56;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      259 SPLQPP 264
Db      22 SPLQPP 27
```

RESULT 60

```
US-10-986-501-135
; Sequence 135, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 135
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-986-501-135
```

```
Query Match      0.4%; Score 6; DB 6; Length 64;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1046 FIFLTT 1051
Db      42 FIFLTT 47
```

RESULT 61

```
US-11-198-847-77
; Sequence 77, Application US/11198847
; Publication No. US20050271589A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Jones, Robert M.
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; TITLE OF INVENTION: B-Superfamily Conotoxins
; FILE REFERENCE: 2314-296
; CURRENT APPLICATION NUMBER: US/11/198,847
; PRIOR FILING DATE: 2005-08-08
; PRIOR APPLICATION NUMBER: US 10/838,226
; PRIOR FILING DATE: 2004-05-05
; PRIOR APPLICATION NUMBER: US 10/058,053
; PRIOR FILING DATE: 2000-01-29
; PRIOR APPLICATION NUMBER: US 60/264323
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Conus baileyi
US-11-198-847-77
```

```
Query Match      0.4%; Score 6; DB 7; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1361 VCEPPP 1366
Db      65 VCEPPP 70
```

RESULT 62

```
US-11-123-896-350
; Sequence 350, Application US/11123896
; Publication No. US20050273881A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Navarro Acevedo, Pedro A.
; APPLICANT: Harvell, Leslie
; APPLICANT: Cahoon, Rebecca
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Lu, Albert
; APPLICANT: Herrmann, Rafael
; APPLICANT: Wong, James
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of
; FILE REFERENCE: 35718/246703
; CURRENT APPLICATION NUMBER: US/11/123,896
; PRIOR FILING DATE: 2005-05-06
; PRIOR APPLICATION NUMBER: 60/300,152
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/300,241
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 350
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Brassica napus
US-11-123-896-350
```

```
Query Match      0.4%; Score 6; DB 7; Length 77;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1119 ISAVAL 1124
```

Db 8 ISAVAL 13

RESULT 63

```
US-11-043-752-47
; Sequence 47, Application US/11043752
; Publication No. US20060014165A1
; GENERAL INFORMATION:
; APPLICANT: Hakonarson, Hakon
; APPLICANT: Gurney, Mark E.
; APPLICANT: Halapi, Eva
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT FOR
; TITLE OF INVENTION: ASTHMA AND OTHER RESPIRATORY DISEASES BASED ON HAPLOTYPE
; TITLE OF INVENTION: ASSOCIATION
; FILE REFERENCE: 2345.2044-003
; CURRENT APPLICATION NUMBER: US/11/043,752
; CURRENT FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: PCT/US04/022446
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: 60/487,072
; PRIOR FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 60/559,611
; PRIOR FILING DATE: 2004-04-05
; NUMBER OF SEQ ID NOS: 4326
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-752-47
```

Query Match 0.4%; Score 6; DB 7; Length 80;
Best local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1307 HCLQDN 1312
Db 54 HCLQDN 59

RESULT 64

```
US-10-467-657-8196
; Sequence 8196, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 8196
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8196
```

Query Match 0.4%; Score 6; DB 6; Length 90;
Best local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 434 MSVKEL 439
Db 2 MSVKEL 7

RESULT 65

```
US-10-505-263-74
; Sequence 74, Application US/10505263
; Publication No. US20060014940A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
; APPLICANT: Case Western Reserve University
; APPLICANT: The Brigham and Women's Hospital, Inc.
; APPLICANT: Mount, David B
; APPLICANT: Romero, Michael
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF SLC26A6, SLC26A1, and SLC26A2
; TITLE OF INVENTION: ANION EXCHANGERS
; FILE REFERENCE: 1242/50/2 PCT/US
; CURRENT APPLICATION NUMBER: US/10/505,263
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 60/360,275
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/US03/06469
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-505-263-74
```

Query Match 0.4%; Score 6; DB 6; Length 91;
Best local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 898 GDLVSG 903
Db 1 GDLVSG 6

RESULT 66

```
US-11-000-463-908
; Sequence 908, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
```

```
; SEQ ID NO 908
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-908
```

```
Query Match          0.4%; Score 6; DB 7; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      175 LGDSS 180
        |||||
Db       48 LGDSS 53
```

RESULT 67

```
US-10-667-295-43
; Sequence 43, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(102)
; OTHER INFORMATION: Ceres Seq. ID no. 6425770
US-10-667-295-43
```

```
Query Match          0.4%; Score 6; DB 6; Length 102;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      96 KDKGR 101
        |||||
Db       65 KDKGR 70
```

RESULT 68

```
US-10-485-788A-665
; Sequence 665, Application US/10485788A
; Publication No. US20050282743A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Rabinowitz, Joshua D.
; APPLICANT: Schweitzer, Johannes
; APPLICANT: Carrick, Deanna Marie
; APPLICANT: Arbor Vita Corporation
; TITLE OF INVENTION: Molecular Interactions in Cells
; FILE REFERENCE: 20054-003320US
; CURRENT APPLICATION NUMBER: US/10/485,788A
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/360,061
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: WO PCT/US02/24655
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 665
; LENGTH: 103
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens
US-10-485-788A-665
```

```
Query Match          0.4%; Score 6; DB 6; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1052 DGLVPG 1057
        |||||
Db       53 DGLVPG 58
```

RESULT 69

```
US-11-053-076-28
; Sequence 28, Application US/11053076
; Publication No. US20050255460A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Schweitzer, Johannes
; APPLICANT: Somoza Diaz-Sarmiento, Chamorro
; APPLICANT: Belmares, Michael P.
; TITLE OF INVENTION: METHODS OF DIAGNOSING CERVICAL CANCER
; FILE REFERENCE: VITA-008CIP
; CURRENT APPLICATION NUMBER: US/11/053,076
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: PCT/US03/28508
; PRIOR FILING DATE: 2003-09-09
; PRIOR APPLICATION NUMBER: 10/630,590
; PRIOR FILING DATE: 2003-07-29
; PRIOR APPLICATION NUMBER: 60/490,094
; PRIOR FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 60/450,464
; PRIOR FILING DATE: 2003-02-27
; PRIOR APPLICATION NUMBER: 60/409,298
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 10/630,590
; PRIOR FILING DATE: 2003-07-29
; PRIOR APPLICATION NUMBER: PCT/US02/24655
; PRIOR FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/360,061
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 10/080,273
; PRIOR FILING DATE: 2002-02-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-053-076-28
```

```
Query Match          0.4%; Score 6; DB 7; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1052 DGLVPG 1057
        |||||
Db       53 DGLVPG 58
```

RESULT 70

```
US-10-689-742-206
; Sequence 206, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: Lavallic, Edward R
; APPLICANT: Racie, Lisa A
; APPLICANT: Evans, Cheryl
```

```
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 206
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-689-742-206

Query Match          0.4%; Score 6; DB 6; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      151 QVASSL 156
Db      26 QVASSL 31

RESULT 71
US-10-793-626-158
; Sequence 158, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 158
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-158

Query Match          0.4%; Score 6; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      45 VLAEIP 50
Db      69 VLAEIP 74

RESULT 72
US-11-123-896-269
; Sequence 269, Application US/11123896
; Publication No. US20050273881A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Navarro Acevedo, Pedro A.
; APPLICANT: Harvell, Leslie
; APPLICANT: Cahoon, Rebecca
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Lu, Albert
; APPLICANT: Herrmann, Rafael
; APPLICANT: Wong, James
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of
; TITLE OF INVENTION: Use
```

```
; FILE REFERENCE: 35718/246703
; CURRENT APPLICATION NUMBER: US/11/123,896
; CURRENT FILING DATE: 2005-05-06
; PRIOR APPLICATION NUMBER: 60/300,152
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/300,241
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 269
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-123-896-269

Query Match          0.4%; Score 6; DB 7; Length 107;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1421 PPPPSE 1426
Db      85 PPPPSE 90

RESULT 73
US-10-131-826A-442
; Sequence 442, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
```


; SEQ ID NO 442
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-442

Query Match 0.4%; Score 6; DB 6; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1262 PPAKLO 1267
Db 44 PPAKLO 49

RESULT 74
US-10-467-657-6982
; Sequence 6982, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Segwin99, version 1.04
; SEQ ID NO 6982
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6982

Query Match 0.4%; Score 6; DB 6; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 580 NCTDNF 585
Db 35 NCTDNF 40

RESULT 75
US-10-467-657-7938
; Sequence 7938, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Segwin99, version 1.04
; SEQ ID NO 7938
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7938

Query Match 0.4%; Score 6; DB 6; Length 120;

Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 580 NCTDNF 585
Db 35 NCTDNF 40

RESULT 76
US-10-821-234-1239
; Sequence 1239, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1239
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1239

Query Match 0.4%; Score 6; DB 6; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 864 GELGEA 869
Db 107 GELGEA 112

RESULT 77
US-10-467-657-6978
; Sequence 6978, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Segwin99, version 1.04
; SEQ ID NO 6978
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6978

Query Match 0.4%; Score 6; DB 6; Length 123;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 580 NCTDNF 585
Db 46 NCTDNF 51

Query Match 0.4%; Score 6; DB 6; Length 120;

RESULT 78
US-10-467-657-7022
; Sequence 7022, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 7022
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7022

Query Match 0.4%; Score 6; DB 6; Length 124;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 404 NDFDDG 409
Db 94 NDFDDG 99

RESULT 79
US-10-667-295-37
; Sequence 37, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Macchia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 37
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(131)
; OTHER INFORMATION: Ceres Seq. ID no. 4794496
US-10-667-295-37

Query Match 0.4%; Score 6; DB 6; Length 131;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 435 SVKELK 440
Db 119 SVKELK 124

RESULT 80
US-10-467-657-3792
; Sequence 3792, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita

; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3792
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3792

Query Match 0.4%; Score 6; DB 6; Length 131;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 404 NDFDDG 409
Db 101 NDFDDG 106

RESULT 81
US-09-978-360A-744
; Sequence 744, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouquelieret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 744
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -34...-1
US-09-978-360A-744

Query Match 0.4%; Score 6; DB 5; Length 136;

Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1052 DGLVPG 1057
Db 38 DGLVPG 43

RESULT 82

US-11-156-084-88
; Sequence 88, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 88
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
US-11-156-084-88

Query Match 0.4%; Score 6; DB 7; Length 139;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVVY 836
Db 131 GLPVVY 136

RESULT 83

US-10-667-295-42
; Sequence 42, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Masclia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(141)
; OTHER INFORMATION: Ceres Seq. ID no. 6425769
US-10-667-295-42

Query Match 0.4%; Score 6; DB 6; Length 141;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 KDKGKR 101
Db 104 KDKGKR 109

RESULT 84

US-10-467-657-1802
; Sequence 1802, Application US/10467657
; Publication No. US20050260581A1

; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1802
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1802

Query Match 0.4%; Score 6; DB 6; Length 143;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 40
Db 82 RRERLL 87

RESULT 85

US-10-485-517-343
; Sequence 343, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 343
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-343

Query Match 0.4%; Score 6; DB 6; Length 147;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1108 VLLNFS 1113
Db 101 VLLNFS 106

RESULT 86

US-11-156-084-80
; Sequence 80, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084

; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 80
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-156-084-80

Query Match 0.4%; Score 6; DB 7; Length 150;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVVV 836
|||
Db 127 GLPVVV 132

RESULT 87

US-10-821-234-1086
; Sequence 1086, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1086
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1086

Query Match 0.4%; Score 6; DB 6; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1527 SSTLSS 1532
|||
Db 106 SSTLSS 111

RESULT 88

US-09-978-360A-456
; Sequence 456, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116

; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 456
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -31..-1
US-09-978-360A-456

Query Match 0.4%; Score 6; DB 5; Length 155;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1303 LLLPHC 1308
|||
Db 32 LLLPHC 37

RESULT 89

US-10-401-386B-64
; Sequence 64, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallon
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 64
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-64

Query Match 0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1024 LKKEDE 1029
|||
Db 138 LKKEDE 143

RESULT 90

US-10-401-386B-66
; Sequence 66, Application US/10401386B
; Publication No. US20050261213A1


```
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallon
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-66
```

```
Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1024 LKKEDE 1029
          |||||
Db      138 LKKEDE 143
```

```
RESULT 91
US-10-401-386B-68
; Sequence 68, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallon
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-68
```

```
Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1024 LKKEDE 1029
          |||||
Db      138 LKKEDE 143
```

```
RESULT 92
US-10-401-386B-70
; Sequence 70, Application US/10401386B
```

```
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallon
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 70
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-70
```

```
Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1024 LKKEDE 1029
          |||||
Db      138 LKKEDE 143
```

```
RESULT 93
US-10-401-386B-76
; Sequence 76, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallon
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-76
```

```
Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1024 LKKEDE 1029
          |||||
Db      138 LKKEDE 143
```

```
RESULT 94
US-10-401-386B-78
```

```
/ Sequence 78, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallion
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; PRIOR FILING DATE: 2003-03-28
; PRIOR FILING DATE: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 78
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-78

Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1024 LKXDE 1029      |||||
Db      138 LKXDE 143

RESULT 95
US-10-401-386B-80
; Sequence 80, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallion
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for Use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-401-386B-80

Query Match      0.4%; Score 6; DB 6; Length 157;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1024 LKXDE 1029      |||||
Db      138 LKXDE 143

RESULT 96
US-11-055-822-948
; Sequence 948, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Krieger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121PCPN
; CURRENT APPLICATION NUMBER: US/11/055,822
; PRIOR FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 948
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-948

Query Match      0.4%; Score 6; DB 7; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      830 SGLPVV 835      |||||
Db      132 SGLPVV 137

RESULT 97
US-11-156-084-84
; Sequence 84, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; PRIOR FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 84
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-156-084-84

Query Match      0.4%; Score 6; DB 7; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 831 GLPVVV 836
|||
Db 127 GLPVVV 132

RESULT 98

US-10-821-234-1321
; Sequence 1321, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1321
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1321

Query Match 0.4%; Score 6; DB 6; Length 159;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRHRVY 349
|||||
Db 68 LRHRVY 73

RESULT 99

US-11-214-371-2
; Sequence 2, Application US/11214371
; Publication No. US20060003937A1
; GENERAL INFORMATION:
; APPLICANT: Lewis, Kathy
; APPLICANT: Vale, Wylie
; APPLICANT: Marilyn H. Perrin
; APPLICANT: Jean E. Rivier
; APPLICANT: Koichi S. Kunitake
; APPLICANT: Jozsef Gulyas
; TITLE OF INVENTION: Urocortin III and Uses Thereof
; FILE REFERENCE: D6390
; CURRENT APPLICATION NUMBER: US/11/214,371
; CURRENT FILING DATE: 2005-08-29
; PRIOR APPLICATION NUMBER: US/10/771,224
; PRIOR FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US/10/099,766
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/276,069
; PRIOR FILING DATE: 2001-03-15
; NUMBER OF SEQ ID NOS: 17
; SEQ ID NO 2
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: Human urocortin III Precursor
US-11-214-371-2

Query Match 0.4%; Score 6; DB 7; Length 161;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEEE 217

Db 68 SSGEEE 73
|||||

RESULT 100

US-10-667-295-132
; Sequence 132, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(162)
; OTHER INFORMATION: Ceres Seq. ID no. 12456216
; NAME/KEY: VARIANT
; LOCATION: (1)...(162)
; OTHER INFORMATION: Xaa = any amino acid
US-10-667-295-132

Query Match 0.4%; Score 6; DB 6; Length 162;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1022 GSLKKE 1027
|||||
Db 60 GSLKKE 65

RESULT 101

US-10-454-437-336
; Sequence 336, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habenhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6

; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 336
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-336

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 162;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 213 SGEEA 218
Db 94 SGEEA 99

RESULT 102

US-11-156-084-133
; Sequence 133, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 133
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-156-084-133

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 163;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVV 836
Db 127 GLPVV 132

RESULT 103

US-10-793-626-3026
; Sequence 3026, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3026
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-3026

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 165;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 816 RPYRYQ 821
Db 86 RPYRYQ 91

RESULT 104

US-11-128-059-72
; Sequence 72, Application US/11128059
; Publication No. US20050287638A1
; GENERAL INFORMATION:
; APPLICANT: WEIGEL, PAUL H
; APPLICANT: WEIGEL, JANET A
; TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND
; TITLE OF INVENTION: METHODS OF MAKING AND USING SAME
; FILE REFERENCE: 5864.033
; CURRENT APPLICATION NUMBER: US/11/128,059
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: 60/570,915
; PRIOR FILING DATE: 2004-05-13
; PRIOR APPLICATION NUMBER: 10/133,172
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,468
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: 09/842,930
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 72
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-128-059-72

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 176;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 YEGDGI 933
Db 163 YEGDGI 168

RESULT 105

US-10-667-295-131
; Sequence 131, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 131
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(178)
; OTHER INFORMATION: Ceres Seq. ID no. 12456215
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(178)
; OTHER INFORMATION: Xaa = any amino acid
US-10-667-295-131

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 178;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1022 GSLKKE 1027
Db 76 GSLKKE 81

RESULT 106
US-10-667-295-130

; Sequence 130, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 130
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(184)
; OTHER INFORMATION: Ceres Seq. ID no. 12456214
; NAME/KEY: VARIANT
; LOCATION: (1)...(184)
; OTHER INFORMATION: Xaa = any amino acid
US-10-667-295-130

Query Match 0.4%; Score 6; DB 6; Length 184;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1022 GSLKKE 1027
Db 82 GSLKKE 87

RESULT 107

US-10-453-372-896
; Sequence 896, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSequlist version 0.1
; SEQ ID NO 896
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-896

Query Match 0.4%; Score 6; DB 6; Length 185;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 197 STALPQ 202
Db 24 STALPQ 29

RESULT 108

US-10-873-528-15
; Sequence 15, Application US/10873528
; Publication No. US20050276814A1
; GENERAL INFORMATION:
; APPLICANT: Microbial Technics Limited
; APPLICANT: Gilbert, Christophe FG
; APPLICANT: Hansbro, Philip M
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: PWC/P21129WO
; CURRENT APPLICATION NUMBER: US/10/873,528
; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/09/769,787
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: GB 9816337.1
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: US 60/125164
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-873-528-15

Query Match 0.4%; Score 6; DB 6; Length 189;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 795 RIEIDA 800
Db 106 RIEIDA 111

RESULT 109

US-10-453-372-894
; Sequence 894, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10

```
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curseseqlist version 0.1
; SEQ ID NO 894
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-894
```

```
Query Match      0.4%; Score 6; DB 6; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      197 STALPQ 202
      |||||
Db      4 STALPQ 9
```

```
RESULT 110
US-11-186-284-175
; Sequence 175, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 175
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-175
```

```
Query Match      0.4%; Score 6; DB 7; Length 195;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      436 VKELKE 441
      |||||
Db      101 VKELKE 106
```

RESULT 111

US-11-153-880-5

```
; Sequence 5, Application US/11153880
; Publication No. US20050256050A1
```

GENERAL INFORMATION:

```
; APPLICANT: HU, JING-SHAN
; APPLICANT: ROSEN, CRAIG A.
; APPLICANT: CAO, LIANG
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
```

COMPUTER READABLE FORM:

```
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/153,880
; FILING DATE: 16-jun-2005
```

CLASSIFICATION:

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/219,442
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
```

PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: 08/999,811
; FILING DATE:
```

PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: US 08/465,968
; FILING DATE: 06-JUN-1995
```

ATTORNEY/AGENT INFORMATION:

```
; NAME: MARKOWICZ, KAREN R.
; REGISTRATION NUMBER: 36,351
; REFERENCE/DOCKET NUMBER: 1488.1000004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)371-2600
; TELEFAX: (202)371-2540
```

INFORMATION FOR SEQ ID NO: 5:

```
; SEQUENCE CHARACTERISTICS:
; LENGTH: 196 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Not Relevant
; MOLECULE TYPE: protein
US-11-153-880-5
```

```
Query Match      0.4%; Score 6; DB 7; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      47 AEIPRE 52
      |||||
Db      23 AEIPRE 28
```

RESULT 112

US-11-064-774A-125

```
; Sequence 125, Application US/11064774A
; Publication No. US20050267024A1
```

GENERAL INFORMATION:

```
; APPLICANT: Altalo et al.
; TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR ENDOTHELIAL GROWTH
; FILE REFERENCE: 28967/35977B2
; CURRENT APPLICATION NUMBER: US/11/064,774A
; CURRENT FILING DATE: 2005-02-24
```

```
/ PRIOR APPLICATION NUMBER: 09/795,006
/ PRIOR FILING DATE: 2001-02-26
/ PRIOR APPLICATION NUMBER: US 60/205,331
/ PRIOR FILING DATE: 2000-05-18
/ PRIOR APPLICATION NUMBER: US 60/185,205
/ PRIOR FILING DATE: 2000-02-25
/ NUMBER OF SEQ ID NOS: 1212
/ SOFTWARE: PatentIn Ver. 3.2
/ SEQ ID NO 125
/ LENGTH: 196
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-064-774A-125
```

```
Query Match      0.4%; Score 6; DB 7; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      47 AEIPRE 52
        |||||
Db       23 AEIPRE 28
```

RESULT 113

```
US-11-211-724-3
/ Sequence 3, Application US/11211724
/ Publication No. US20050287143A1
/ GENERAL INFORMATION:
/ APPLICANT: Rosen et al.
/ TITLE OF INVENTION: Vascular Endothelial Growth Factor 2
/ FILE REFERENCE: PF112P1
/ CURRENT APPLICATION NUMBER: US/11/211,724
/ CURRENT FILING DATE: 2005-08-26
/ PRIOR APPLICATION NUMBER: US/08/465,968
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: 08/207,550
/ PRIOR FILING DATE: 1994-03-08
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 3
/ LENGTH: 196
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-211-724-3
```

```
Query Match      0.4%; Score 6; DB 7; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      47 AEIPRE 52
        |||||
Db       23 AEIPRE 28
```

RESULT 114

```
US-10-821-234-1295
/ Sequence 1295, Application US/10821234
/ Publication No. US20050255114A1
/ GENERAL INFORMATION:
/ APPLICANT: Labat, Ivan
/ APPLICANT: Stache-Crain, Birgit
/ APPLICANT: Andarmani, Susan
/ APPLICANT: Tang, Y. Tom
/ TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
/ FILE REFERENCE: 821A
/ CURRENT APPLICATION NUMBER: US/10/821,234
/ CURRENT FILING DATE: 2004-04-07
/ PRIOR APPLICATION NUMBER: US 60/462,047
/ PRIOR FILING DATE: 2003-04-07
/ NUMBER OF SEQ ID NOS: 1704
/ SOFTWARE: pt_seq_genes Version 1.0
/ SEQ ID NO 1295
/ LENGTH: 197
```

```
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-821-234-1295
```

```
Query Match      0.4%; Score 6; DB 6; Length 197;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      438 ELKEAL 443
        |||||
Db       180 ELKEAL 185
```

RESULT 115

```
US-10-714-887-134
/ Sequence 134, Application US/10714887
/ Publication No. US20060015972A1
/ GENERAL INFORMATION:
/ APPLICANT: Mendel Biotechnology, Inc.
/ APPLICANT: HEARD, Jacqueline
/ APPLICANT: RIECHMANN, Jose Luis
/ APPLICANT: CREELMAN, Robert
/ APPLICANT: RATCLIFFE, Oliver
/ APPLICANT: CANALES, Roger
/ APPLICANT: REPETTI, Peter
/ APPLICANT: KUMIMOTO, Roderick W
/ APPLICANT: GUTTERSON, Neal
/ APPLICANT: REUBER, T. Lynne
/ APPLICANT: PINEDA, Omaira
/ APPLICANT: SHERMAN, Bradley K
/ TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
/ FILE REFERENCE: MB10058-CIP
/ CURRENT APPLICATION NUMBER: US/10/714,887
/ CURRENT FILING DATE: 2003-11-13
/ PRIOR APPLICATION NUMBER: 10/412,699
/ PRIOR FILING DATE: 2003-04-10
/ PRIOR APPLICATION NUMBER: 09/506,720
/ PRIOR FILING DATE: 2000-02-17
/ PRIOR APPLICATION NUMBER: 60/135,134
/ PRIOR FILING DATE: 1999-05-20
/ PRIOR APPLICATION NUMBER: 09/394,519
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: 09/533,392
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/533,029
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/532,591
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/533,030
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 60/125,814
/ PRIOR FILING DATE: 1999-03-23
/ PRIOR APPLICATION NUMBER: 09/713,994
/ PRIOR FILING DATE: 2000-11-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 430
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 134
/ LENGTH: 197
/ TYPE: PRT
/ ORGANISM: Oryza sativa (japonica cultivar-group)
/ FEATURE:
/ OTHER INFORMATION: G3721 polypeptide Orthologous to G1274
US-10-714-887-134
```

```
Query Match      0.4%; Score 6; DB 6; Length 197;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      164 SPFMAS 169
        |||||
Db       23 SPFMAS 28
```

RESULT 116
US-11-082-389-136
; Sequence 136, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 136
; LENGTH: 197
; TYPE: PRT
; ORGANISM: *Corynebacterium glutamicum*
US-11-082-389-136

Query Match 0.4%; Score 6; DB 7; Length 197;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 858 VLAEG 863
 |||||
DB 148 VLAEG 153

RESULT 117
US-10-453-372-890
; Sequence 890, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446

; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 890
; LENGTH: 203
; TYPE: PRT
; ORGANISM: *Homo sapiens*
US-10-453-372-890

Query Match 0.4%; Score 6; DB 6; Length 203;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPQ 202
 |||||
DB 24 STALPQ 29

RESULT 118
US-09-978-360A-534
; Sequence 534, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclet, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56. US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 534
; LENGTH: 211
; TYPE: PRT
; ORGANISM: *Homo sapiens*
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -30..-1

US-09-978-360A-534

Query Match 0.4%; Score 6; DB 5; Length 211;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPP 872
Db 2 GEASPP 7

RESULT 119

US-10-965-972-1
; Sequence 1, Application US/10965972
; Publication No. US20050266421A1
; GENERAL INFORMATION:
; APPLICANT: Immunex Corporation
; APPLICANT: Bird, Timothy A.
; APPLICANT: Youakim, Adel
; TITLE OF INVENTION: Claudin Polypeptides, Polynucleotides, and Methods of Making and
; TITLE OF INVENTION: Use Thereof
; FILE REFERENCE: 3426-WO
; CURRENT APPLICATION NUMBER: US/10/965,972
; CURRENT FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-965-972-1

Query Match 0.4%; Score 6; DB 6; Length 211;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPQ 202
Db 24 STALPQ 29

RESULT 120

US-11-186-284-22
; Sequence 22, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 211
; TYPE: PRT

; ORGANISM: Homo Sapiens
US-11-186-284-22

Query Match 0.4%; Score 6; DB 7; Length 211;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPQ 202
Db 24 STALPQ 29

RESULT 121

US-11-075-400-18
; Sequence 18, Application US/11075400
; Publication No. US20050282233A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, et al.
; TITLE OF INVENTION: MULTIVALENT ANTIBODY MATERIALS AND METHODS FORVEGF/PDGF FAMILY OF
; TITLE OF INVENTION: GROWTH FACTORS
; FILE REFERENCE: 28967/39820B
; CURRENT APPLICATION NUMBER: US/11/075,400
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/550,511
; PRIOR FILING DATE: 2004-03-05
; PRIOR APPLICATION NUMBER: US 60/586,662
; PRIOR FILING DATE: 2004-07-09
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 18
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-075-400-18

Query Match 0.4%; Score 6; DB 7; Length 211;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 47 AEIPRE 52
Db 23 AEIPRE 28

RESULT 122

US-10-793-626-1628
; Sequence 1628, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1628
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-1628

Query Match 0.4%; Score 6; DB 6; Length 212;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1530 LSSKV 1535
|||||||

Db 171 LSSKV 176

RESULT 123

US-10-793-626-1966
; Sequence 1966, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; PRIOR FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 1966
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-1966

Query Match

Best Local Similarity 0.4%; Score 6; DB 6; Length 212;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1530 LSSKV 1535

Db 171 LSSKV 176

RESULT 124

US-10-878-556A-183
; Sequence 183, Application US/10878556A
; Publication No. US2005026639A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann la-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 183
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: sw_hum/pdx5_human
; DATABASE ENTRY DATE: 1993-04-01
US-10-878-556A-183

Query Match

Best Local Similarity 0.4%; Score 6; DB 6; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1333 AEGKV 1338

Db 143 AEGKV 148

RESULT 125

US-11-067-425A-73
; Sequence 73, Application US/11067425A
; Publication No. US20050278809A1
; GENERAL INFORMATION:
; APPLICANT: Hannoufa, Abdelali
; APPLICANT: Lydiate, Derek J.
; APPLICANT: Gao, Ming-Jun

; TITLE OF INVENTION: REGULATION OF GENE EXPRESSION USING CHROMATIN REMODELLING FACTOR
; FILE REFERENCE: 270.78US11
; CURRENT APPLICATION NUMBER: US/11/067,425A
; CURRENT FILING DATE: 2005-02-22
; PRIOR APPLICATION NUMBER: US 10/516,753
; PRIOR FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: PCT/CA03/00822
; PRIOR FILING DATE: 2003-06-06
; PRIOR APPLICATION NUMBER: US 60/387,088
; PRIOR FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patentln version 3.3
; SEQ ID NO 73
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Arabidopsis
US-11-067-425A-73

Query Match

Best Local Similarity 0.4%; Score 6; DB 7; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGL 1132

Db 27 SSRIGL 32

RESULT 126

US-10-821-234-984
; Sequence 984, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 984
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(216)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-984

Query Match

Best Local Similarity 0.4%; Score 6; DB 6; Length 216;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1301 ANLLLP 1306

Db 77 ANLLLP 82

RESULT 127

US-11-186-284-165
; Sequence 165, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert

```
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 165
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-165
```

```
Query Match      0.4%; Score 6; DB 7; Length 217;
Best Local Similarity 100.0%; Pred.No.3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      459 VREDLA 464
        |||||
Db      123 VREDLA 128
```

```
RESULT 128
US-11-056-408-12
; Sequence 12, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Guttridge, Steven
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 12
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Glycine max
US-11-056-408-12
```

```
Query Match      0.4%; Score 6; DB 7; Length 217;
Best Local Similarity 100.0%; Pred.No.3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1130 IGLSAP 1135
        |||||
Db      66 IGLSAP 71
```

```
RESULT 129
US-10-453-372-892
; Sequence 892, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
```

```
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curoseqqlist version 0.1
; SEQ ID NO 892
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-892
```

```
Query Match      0.4%; Score 6; DB 6; Length 218;
Best Local Similarity 100.0%; Pred.No.3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      197 STALPQ 202
        |||||
Db      28 STALPQ 33
```

```
RESULT 130
US-11-082-389-318
; Sequence 318, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131PCPN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
```

```
/ PRIOR APPLICATION NUMBER: DE 19932134.5
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19941379.7
/ PRIOR FILING DATE: 1999-08-31
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 446
/ SEQ ID NO 318
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-082-389-318
```

```
Query Match      0.4%; Score 6; DB 7; Length 218;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1437 GYGIGA 1442
         |||||
Db       150 GYGIGA 155
```

RESULT 131

```
US-11-156-084-136
/ Sequence 136, Application US/11156084
/ Publication No. US20060010515A1
/ GENERAL INFORMATION:
/ APPLICANT: Monsanto Technology LLC
/ TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
/ TITLE OF INVENTION: agronomically interesting phenotypes
/ FILE REFERENCE: (38-21)
/ CURRENT APPLICATION NUMBER: US/11/156,084
/ CURRENT FILING DATE: 2005-06-17
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 136
/ LENGTH: 220
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (195)..(195)
/ OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-156-084-136
```

```
Query Match      0.4%; Score 6; DB 7; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      831 GLPVVV 836
         |||||
Db       131 GLPVVV 136
```

RESULT 132

```
US-11-125-295-5
/ Sequence 5, Application US/11125295
/ Publication No. US20050287562A1
/ GENERAL INFORMATION:
/ APPLICANT: Hu, Yi
/ APPLICANT: Nepomnichy, Boris
/ APPLICANT: Wang, Xiaoming
/ APPLICANT: Donoho, Gregory
/ APPLICANT: Scoville, John
/ APPLICANT: Walke, D. Wade
/ TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
/ FILE REFERENCE: LEX-0167-USA
/ CURRENT APPLICATION NUMBER: US/11/125,295
/ CURRENT FILING DATE: 2005-05-09
/ PRIOR APPLICATION NUMBER: US/10/620,845
/ PRIOR FILING DATE: 2003-07-15
/ PRIOR APPLICATION NUMBER: US/09/841,683
/ PRIOR FILING DATE: 2001-04-24
/ PRIOR APPLICATION NUMBER: US 60/199,499
```

```
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: US 60/201,227
/ PRIOR FILING DATE: 2000-05-01
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 5
/ LENGTH: 225
/ TYPE: PRT
/ ORGANISM: homo sapiens
US-11-125-295-5
```

```
Query Match      0.4%; Score 6; DB 7; Length 225;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      173 LLLGDD 178
         |||||
Db       102 LLLGDD 107
```

RESULT 133

```
US-10-467-657-2594
/ Sequence 2594, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SpA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 2594
/ LENGTH: 227
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2594
```

```
Query Match      0.4%; Score 6; DB 6; Length 227;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      859 LAEAGG 864
         |||||
Db       179 LAEAGG 184
```

RESULT 134

```
US-10-667-295-86
/ Sequence 86, Application US/10667295
/ Publication No. US20050257293A1
/ GENERAL INFORMATION:
/ APPLICANT: Mascia, Peter
/ TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
/ FILE REFERENCE: 11696-047001
/ CURRENT APPLICATION NUMBER: US/10/667,295
/ CURRENT FILING DATE: 2003-09-17
/ PRIOR APPLICATION NUMBER: US 60/411,823
/ PRIOR FILING DATE: 2002-09-17
/ NUMBER OF SEQ ID NOS: 263
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 86
/ LENGTH: 230
/ TYPE: PRT
/ ORGANISM: Arabidopsis thaliana
/ FEATURE:
/ NAME/KEY: VARIANT
```


LOCATION: (1)...(230)
OTHER INFORMATION: Ceres Seq. ID no. 12738856
US-10-667-295-86

Query Match
Best Local Similarity 0.4%; Score 6; DB 6; Length 230;
Matches 6; Conservativity 100.0%; Pred. No. 3.3e+02; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELK 440
Db 120 SVKELK 125

RESULT 135

US-11-074-176-224
Sequence 224, Application US/11074176
Publication No. US20050250135A1
GENERAL INFORMATION:
APPLICANT: Klauenhammer, Todd R.
APPLICANT: Russell, William M.
APPLICANT: Altermann, Eric
APPLICANT: Mcauliffe, Olivia
APPLICANT: Percil, Andrea Azcarate
TITLE OF INVENTION: Nucleic Acid Sequences Encoding
TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
FILE REFERENCE: 5051-694
CURRENT APPLICATION NUMBER: US/11/074,176
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: 60/551,161
PRIOR FILING DATE: 2004-03-08
NUMBER OF SEQ ID NOS: 381
SOFTWARE: FastSeq for windows Version 4.0
SEQ ID NO 224
LENGTH: 230
TYPE: PRT
ORGANISM: Lactobacillus acidophilus
US-11-074-176-224

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 230;
Matches 6; Conservativity 100.0%; Pred. No. 3.3e+02; Mismatches 0; Indels 0; Gaps 0;

QY 789 VYTFDE 794
Db 213 VYTFDE 218

RESULT 136

US-11-108-172-1060
Sequence 1060, Application US/11108172
Publication No. US20050260177A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Lodes, Michael J.
APPLICANT: Secrist, Heather
APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Stoik, John A.
APPLICANT: Wang, Tongtong
APPLICANT: Jiang, Yugu
APPLICANT: Smith, Carole L.
APPLICANT: King, Gordon E.
APPLICANT: Wang, Aljun
APPLICANT: Clapper, Jonathan D.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.471C15
CURRENT APPLICATION NUMBER: US/11/108,172
CURRENT FILING DATE: 2005-04-15

PRIOR APPLICATION NUMBER: US 10/025,380
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: US 09/922,217
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US 09/833,263
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: US 09/649,811
PRIOR FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: US 09/609,448
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 09/575,251
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: US 09/519,444
PRIOR FILING DATE: 2000-03-06
PRIOR APPLICATION NUMBER: US 09/504,629
PRIOR FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: US 09/480,321
PRIOR FILING DATE: 2000-01-10
PRIOR APPLICATION NUMBER: US 09/476,296
PRIOR FILING DATE: 1999-12-30
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 1130
SOFTWARE: FastSeq for windows Version 4.0
SEQ ID NO 1060
LENGTH: 230
TYPE: PRT
ORGANISM: Homo sapiens
US-11-108-172-1060

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 230;
Matches 6; Conservativity 100.0%; Pred. No. 3.3e+02; Mismatches 0; Indels 0; Gaps 0;

QY 151 QVASSL 156
Db 56 QVASSL 61

RESULT 137

US-11-128-059-66
Sequence 66, Application US/11128059
Publication No. US20050287638A1
GENERAL INFORMATION:
APPLICANT: WEIGEL, PAUL H
APPLICANT: WEIGEL, JANET A
TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND
TITLE OF INVENTION: METHODS OF MAKING AND USING SAME
FILE REFERENCE: 5864.033
CURRENT APPLICATION NUMBER: US/11/128,059
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: 60/570,915
PRIOR FILING DATE: 2004-05-13
PRIOR APPLICATION NUMBER: 10/133,172
PRIOR FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: 60/286,468
PRIOR FILING DATE: 2001-04-25
PRIOR APPLICATION NUMBER: 09/842,930
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 100
SOFTWARE: PatentIn version 3.3
SEQ ID NO 66
LENGTH: 232
TYPE: PRT
ORGANISM: Homo sapiens
US-11-128-059-66

Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 232;
Matches 6; Conservativity 100.0%; Pred. No. 3.3e+02; Mismatches 0; Indels 0; Gaps 0;

QY 928 YEGDGI 933
Db 218 YEGDGI 223

```
RESULT 138
US-11-125-295-7
; Sequence 7, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomnichy, Boris
; APPLICANT: Wang, Xiaoming
; APPLICANT: Donoho, Gregory
; APPLICANT: Scoville, John
; APPLICANT: Walke, D. Wade
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0167-USA
; CURRENT APPLICATION NUMBER: US/11/125,295
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/620,845
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US/09/841,683
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: US 60/199,499
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: US 60/201,227
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 7
; LENGTH: 236
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-125-295-7

Query Match      0.4%; Score 6; DB 7; Length 236;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      173 LLLGCD 178
      |||||
Db      102 LLLGCD 107

RESULT 139
US-10-454-437-180
; Sequence 180, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habermann, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
```

```
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 180
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-180

Query Match      0.4%; Score 6; DB 6; Length 237;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      373 GYDGD 378
      |||||
Db      42 GYDGD 47

RESULT 140
US-10-821-234-1186
; Sequence 1186, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1186
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1186

Query Match      0.4%; Score 6; DB 6; Length 239;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      809 SPLCSG 814
      |||||
Db      103 SPLCSG 108

RESULT 141
US-09-978-360A-626
; Sequence 626, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.USA.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
```

```
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 626
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -30...-1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (100, 103, 122, 165, 182, 184, 185, 200, 207)
; OTHER INFORMATION: unknown
US-09-978-360A-626
```

```
Query Match          0.4%; Score 6; DB 5; Length 242;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      867 GEASPP 872
        |||||
Db       2 GEASPP 7
```

```
RESULT 142
US-10-506-443A-71
; Sequence 71, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-71
```

```
Query Match          0.4%; Score 6; DB 6; Length 242;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      867 GEASPP 872
        |||||
Db       2 GEASPP 7
```

```
RESULT 143
US-10-453-372-214
; Sequence 214, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 214
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-214
```

```
Query Match          0.4%; Score 6; DB 6; Length 244;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      928 YEGDGI 933
        |||||
Db       75 YEGDGI 80
```

```
RESULT 144
US-11-186-284-167
; Sequence 167, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 167
```

```

; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-167
```

```
Query Match      0.4%; Score 6; DB 7; Length 245;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      459 VREDLA 464
      |||||
Db      123 VREDLA 128
```

RESULT 145

```
US-11-054-515-1403
; Sequence 1403, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1403
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1403
```

```
Query Match      0.4%; Score 6; DB 7; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1462 ITADTL 1467
      |||||
Db      70 ITADTL 75
```

RESULT 146

```
US-11-054-515-1440
; Sequence 1440, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
```

```

; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1440
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1440
```

```
Query Match      0.4%; Score 6; DB 7; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1462 ITADTL 1467
      |||||
Db      70 ITADTL 75
```

RESULT 147

```
US-10-467-657-932
; Sequence 932, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetha
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 932
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-932
```

```
Query Match      0.4%; Score 6; DB 6; Length 249;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      461 EDLAGA 466
      |||||
Db      121 EDLAGA 126
```

RESULT 148

```
US-11-055-822-892
; Sequence 892, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
```



```
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberdauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 892
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-11-055-822-892

Query Match      0.4%; Score 6; DB 7; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      307 PIVSEE 312
Db      47 PIVSEE 52

RESULT 149
US-10-454-437-150
; Sequence 150, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberdauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
```

```
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 150
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-10-454-437-150

Query Match      0.4%; Score 6; DB 6; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      158 QSGPLN 163
Db      172 QSGPLN 177
```

```
RESULT 150
US-10-454-437-152
; Sequence 152, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberdauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 152
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-10-454-437-152
```

```
Query Match      0.4%; Score 6; DB 6; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 158 OSGPLN 163
|||
Db 172 OSGPLN 177

RESULT 151
US-11-054-515-1285

; Sequence 1285, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1285
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1285

Query Match 0.4%; Score 6; DB 7; Length 256;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1462 ITADTL 1467
|||
Db 70 ITADTL 75

RESULT 152

US-10-793-626-170
; Sequence 170, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 170
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence

US-10-793-626-170

Query Match 0.4%; Score 6; DB 6; Length 258;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 755 LENKES 760
|||
Db 249 LENKES 254

RESULT 153

US-10-793-626-1614
; Sequence 1614, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1614
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1614

Query Match 0.4%; Score 6; DB 6; Length 258;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 755 LENKES 760
|||
Db 249 LENKES 254

RESULT 154

US-11-082-389-266
; Sequence 266, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberkauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08

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; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 266
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-266
```

```
Query Match          0.4%; Score 6; DB 7; Length 259;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      24 QVGLPI 29
Db      115 QVGLPI 120
```

```
RESULT 155
US-11-000-463-276
; Sequence 276, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 276
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-276
```

```
Query Match          0.4%; Score 6; DB 7; Length 259;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      1531 SSKVI 1536
Db      234 SSKVI 239
```

```
RESULT 156
US-11-156-084-112
; Sequence 112, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 112
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Zea mays
US-11-156-084-112
```

```
Query Match          0.4%; Score 6; DB 7; Length 262;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      831 GLPVV 836
Db      136 GLPVV 141
```

```
RESULT 157
US-11-056-408-4
; Sequence 4, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Guttridge, Steven
; APPLICANT: Tao, Yong
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-056-408-4
```

```
Query Match          0.4%; Score 6; DB 7; Length 267;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      1130 IGLSAP 1135
Db      117 IGLSAP 122
```

```
RESULT 158
US-11-056-408-14
; Sequence 14, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Guttridge, Steven
; APPLICANT: Tao, Yong
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
```

```
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 14
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (165)..(165)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-056-408-14
```

```
Query Match          0.4%; Score 6; DB 7; Length 268;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1130 IGLSAP 1135
        |||||
Db       116 IGLSAP 121
```

```
RESULT 159
US-10-821-234-1308
; Sequence 1308, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1308
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1308
```

```
Query Match          0.4%; Score 6; DB 6; Length 269;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1211 ILTCS 1216
        |||||
Db       37 ILTCS 42
```

```
RESULT 160
US-10-467-657-5806
; Sequence 5806, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
```

```
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 5806
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5806
```

```
Query Match          0.4%; Score 6; DB 6; Length 270;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      309 VSEEQI 314
        |||||
Db       180 VSEEQI 185
```

```
RESULT 161
US-11-152-366-50
; Sequence 50, Application US/11152366
; Publication No. US20060014184A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods For Identification, And Compounds Useful For The
; FILE REFERENCE: P27,880-A USA
; CURRENT APPLICATION NUMBER: US/11/152,366
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/579,307
; PRIOR FILING DATE: 2004-06-14
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-152-366-50
```

```
Query Match          0.4%; Score 6; DB 7; Length 273;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1273 LTCLD 1278
        |||||
Db       167 LTCLD 172
```

```
RESULT 162
US-10-467-657-1454
; Sequence 1454, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 1454
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1454
```

```
Query Match          0.4%; Score 6; DB 6; Length 274;
```


Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 857 QVLAEA 862
Db 39 QVLAEA 44

RESULT 163
US-10-667-295-85
; Sequence 85, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; PRIOR FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 85
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(277)
; OTHER INFORMATION: Ceres Seq. ID no. 12738855
US-10-667-295-85

Query Match 0.4%; Score 6; DB 6; Length 277;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 435 SVKELK 440
Db 167 SVKELK 172

RESULT 164
US-10-793-626-1746
; Sequence 1746, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patentn Ver. 2.1
; SEQ ID NO 1746
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1746

Query Match 0.4%; Score 6; DB 6; Length 278;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 755 LENKES 760
Db 83 LENKES 88

RESULT 165
US-11-082-389-264
; Sequence 264, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131PCPN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 264
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-264

Query Match 0.4%; Score 6; DB 7; Length 279;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 24 QVGLPI 29
Db 135 QVGLPI 140

RESULT 166
US-11-056-408-13
; Sequence 13, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Gutteridge, Steven
; APPLICANT: Tao, Yong
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 13
; LENGTH: 279
; TYPE: PRT

ORGANISM: Lycopersicon esculentum
US-11-056-408-13

Query Match 0.4%; Score 6; DB 7; Length 279;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1130 IGLSAP 1135
DB 128 IGLSAP 133

RESULT 167

US-11-071-062-3
; Sequence 3, Application US/11071062
; Publication No. US20050260217A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Mark E.
; APPLICANT: Mozaffarian, Afsaneh
; APPLICANT: Mossman, Sally P.
; APPLICANT: Meert, Charlie D.
; TITLE OF INVENTION: CO-ENCAPSULATED WT1 POLYPEPTIDE AND IMMUNOSTIMULANT
; FILE REFERENCE: 210121.612
; CURRENT APPLICATION NUMBER: US/11/071,062
; CURRENT FILING DATE: 2005-03-03
; PRIOR APPLICATION NUMBER: US 60/550,362
; PRIOR FILING DATE: 2004-03-04
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 3
; LENGTH: 280
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-071-062-3

Query Match 0.4%; Score 6; DB 7; Length 280;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1197 QASSEQ 1202
DB 118 QASSEQ 123

RESULT 168

US-10-967-648A-12
; Sequence 12, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 12
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-12

Query Match 0.4%; Score 6; DB 6; Length 281;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1164 PSLTLD 1169
DB 11 PSLTLD 16

RESULT 169

US-10-883-512-90
; Sequence 90, Application US/10883512
; Publication No. US20060005265A1
; GENERAL INFORMATION:
; APPLICANT: Bughrara, Suleiman
; APPLICANT: Han, Zhao
; APPLICANT: Wang, Yuexia
; TITLE OF INVENTION: Ryegrass CBP3 Gene: Identification and Isolation
; FILE REFERENCE: MSU-08807
; CURRENT APPLICATION NUMBER: US/10/883,512
; CURRENT FILING DATE: 2004-07-01
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 90
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Zea mays
US-10-883-512-90

Query Match 0.4%; Score 6; DB 6; Length 281;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 860 AEAGE 865
DB 59 AEAGE 64

RESULT 170

US-11-056-408-10
; Sequence 10, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Gutteridge, Steven
; APPLICANT: Tao, Yong
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-056-408-10

Query Match 0.4%; Score 6; DB 7; Length 284;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1130 IGLSAP 1135
DB 119 IGLSAP 124

RESULT 171

US-11-082-389-324
; Sequence 324, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schröder, Hartwig
; APPLICANT: Zeidler, Oskar
; APPLICANT: Haberhauer, Gregor

```
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 324
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-11-082-389-324
```

```
Query Match      0.4%; Score 6; DB 7; Length 285;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      455 FASSVR 460
      |||||
Db      214 FASSVR 219
```

```
RESULT 172
US-11-055-822-1118
; Sequence 1118, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habermann, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
```

```
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 1118
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-11-055-822-1118
```

```
Query Match      0.4%; Score 6; DB 7; Length 285;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      481 GIVLSP 486
      |||||
Db      29 GIVLSP 34
```

```
RESULT 173
US-11-063-343-22
; Sequence 22, Application US/11063343
; Publication No. US20050272061A1
; GENERAL INFORMATION:
; APPLICANT: Petroziello, Joseph M.
; APPLICANT: Carter, Paul
; TITLE OF INVENTION: Expression Profiling in Non-Small Cell
; TITLE OF INVENTION: Lung Cancer
; FILE REFERENCE: 2681-1-003N
; CURRENT APPLICATION NUMBER: US/11/063,343
; CURRENT FILING DATE: 2005-02-22
; PRIOR APPLICATION NUMBER: 60/546,019
; PRIOR FILING DATE: 2004-02-19
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 286
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-063-343-22
```

```
Query Match      0.4%; Score 6; DB 7; Length 286;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      461 EDLAGA 466
      |||||
Db      56 EDLAGA 61
```

```
RESULT 174
US-11-135-855-30
; Sequence 30, Application US/1135855
; Publication No. US2005025557A1
; GENERAL INFORMATION:
; APPLICANT: SMITHKLINE BEECHAM CORPORATION
; APPLICANT: SMITHKLINE BEECHAM P.L.C.
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50013
; CURRENT APPLICATION NUMBER: US/11/135,855
; CURRENT FILING DATE: 2005-05-24
; PRIOR APPLICATION NUMBER: US/10/203,708
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/US01/04703
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: 60/182,172
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: 60/186,084
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 46
```

```
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-135-855-30
```

```
Query Match          0.4%; Score 6; DB 7; Length 288;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1027 EDEVWL 1032
      |||||
Db      241 EDEVWL 246
```

```
RESULT 175
US-11-082-389-416
; Sequence 416, Application US/11082389
; Publication No. US20050244935A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Ktoger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 416
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-416
```

```
Query Match          0.4%; Score 6; DB 7; Length 290;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      154 SSIDQS 159
      |||||
Db      106 SSIDQS 111
```

```
RESULT 176
US-10-467-657-2590
; Sequence 2590, Application US/10467657
; Publication No. US20050260581A1
```

```
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2590
; LENGTH: 292
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2590
```

```
Query Match          0.4%; Score 6; DB 6; Length 292;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      831 GLPVV 836
      |||||
Db      123 GLPVV 128
```

```
RESULT 177
US-11-071-062-5
; Sequence 5, Application US/11071062
; Publication No. US20050260217A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Mark E.
; APPLICANT: Mozaffarian, Afsaneh
; APPLICANT: Mossman, Sally P.
; APPLICANT: Meert, Charlie D.
; TITLE OF INVENTION: CO-ENCAPSULATED WT1 POLYPEPTIDE AND IMMUNOSTIMULANT
; TITLE OF INVENTION: MICROSPHERE FORMULATIONS AND METHODS THEREOF
; FILE REFERENCE: 210121.612
; CURRENT APPLICATION NUMBER: US/11/071,062
; CURRENT FILING DATE: 2005-03-03
; PRIOR APPLICATION NUMBER: US 60/550,362
; PRIOR FILING DATE: 2004-03-04
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 5
; LENGTH: 292
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-071-062-5
```

```
Query Match          0.4%; Score 6; DB 7; Length 292;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1197 QASSGQ 1202
      |||||
Db      130 QASSGQ 135
```

```
RESULT 178
US-11-074-176-34
; Sequence 34, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klienhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
```



```
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-34

Query Match          0.4%; Score 6; DB 7; Length 294;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      625 KSLTTH 630
      |||||
Db      285 KSLTTH 290

RESULT 179
US-10-793-626-2998
; Sequence 2998, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2998
; LENGTH: 295
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2998

Query Match          0.4%; Score 6; DB 6; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1045 IFIFLT 1050
      |||||
Db      169 IFIFLT 174

RESULT 180
US-10-131-826A-366
; Sequence 366, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
```

```
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 366
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-366

Query Match          0.4%; Score 6; DB 6; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1112 FSSPRV 1117
      |||||
Db      55 FSSPRV 60

RESULT 181
US-11-000-463-275
; Sequence 275, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Dymnac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
```

; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 275
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-275

Query Match 0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117
Db 55 FSSPRV 60

RESULT 182
US-11-000-463-747
; Sequence 747, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Abundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Dimanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 747
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-747

Query Match 0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117
Db 55 FSSPRV 60

RESULT 183
US-11-000-463-748
; Sequence 748, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Dimanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 748
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-748

Query Match 0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117
Db 55 FSSPRV 60

RESULT 184
US-11-173-037-7
; Sequence 7, Application US/11173037
; Publication No. US20050265992A1
; GENERAL INFORMATION:
; APPLICANT: Kornecki, Dr. Elizabeth
; APPLICANT: Babinska, Dr. Anna
; APPLICANT: Ehrlich, Dr. Yigal H.
; TITLE OF INVENTION: F11 RECEPTOR (F11R) ANTAGONISTS AS THERAPEUTIC AGENTS
; FILE REFERENCE: 15884
; CURRENT APPLICATION NUMBER: US/11/173,037
; CURRENT FILING DATE: 2005-07-01
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-173-037-7

Query Match 0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117
Db 55 FSSPRV 60

Query Match 0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 1112 FSSPRV 1117
|||
Db 55 FSSPRV 60

RESULT 185

US-10-667-295-117
; Sequence 117, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(300)
; OTHER INFORMATION: Ceres Seq. ID no. 12430833
US-10-667-295-117

Query Match 0.4%; Score 6; DB 6; Length 300;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 1022 GSKKE 1027
|||
Db 198 GSKKE 203

RESULT 186

US-11-025-834A-21
; Sequence 21, Application US/11025834A
; Publication No. US20050266426A1
; GENERAL INFORMATION:
; APPLICANT: IMHOF, BEAT ALBERT
; APPLICANT: AURRAND-LIONS, MICHEL
; TITLE OF INVENTION: CONFLUENCE REGULATED ADHESION MOLECULES USEFUL IN MODULATING VASC
; TITLE OF INVENTION: PERMEABILITY
; FILE REFERENCE: 011422-0314432
; CURRENT APPLICATION NUMBER: US/11/025,834A
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 09/524,531
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: EP 99.200746.8
; PRIOR FILING DATE: 1999-03-11
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-025-834A-21

Query Match 0.4%; Score 6; DB 7; Length 300;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 1112 FSSPRV 1117
|||
Db 54 FSSPRV 59

RESULT 187
US-10-667-295-116

; Sequence 116, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 116
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(302)
; OTHER INFORMATION: Ceres Seq. ID no. 12430832
US-10-667-295-116

Query Match 0.4%; Score 6; DB 6; Length 302;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 1022 GSKKE 1027
|||
Db 200 GSKKE 205

RESULT 188

US-10-467-657-4028
; Sequence 4028, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4028
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4028

Query Match 0.4%; Score 6; DB 6; Length 302;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 82 TVSDKG 87
|||
Db 194 TVSDKG 199

RESULT 189

US-11-156-084-345
; Sequence 345, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:

```
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 345
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Porphyromonas gingivalis W83
US-11-156-084-345
```

```
Query Match          0.4%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1064 VTLVLT 1069
        |||||
Db       236 VTLVLT 241
```

```
RESULT 190
US-11-135-855-31;
; Sequence 31, Application US/11/135855
; Publication No. US2005025557A1
; GENERAL INFORMATION:
; APPLICANT: SMITHKLINE BEECHAM CORPORATION
; APPLICANT: SMITHKLINE BEECHAM p.l.c.
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50013
; CURRENT APPLICATION NUMBER: US/11/135,855
; CURRENT FILING DATE: 2005-05-24
; PRIOR APPLICATION NUMBER: US/10/203,708
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/US01/04703
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: 60/182,172
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: 60/186,084
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-135-855-31
```

```
Query Match          0.4%; Score 6; DB 7; Length 303;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1027 EDEVWL 1032
        |||||
Db       256 EDEVWL 261
```

```
RESULT 191
US-10-467-657-506
; Sequence 506, Application US/10/467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
```

```
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 506
; LENGTH: 304
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-506
```

```
Query Match          0.4%; Score 6; DB 6; Length 304;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1121 AVALRT 1126
        |||||
Db       133 AVALRT 138
```

```
RESULT 192
US-11-166-412-228
; Sequence 228, Application US/11/166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 228
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-228
```

```
Query Match          0.4%; Score 6; DB 7; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      310 SEQIR 315
        |||||
Db       13 SEQIR 18
```

```
RESULT 193
US-11-129-143-98
; Sequence 98, Application US/11/129143
; Publication No. US20050266518A1
; GENERAL INFORMATION:
; APPLICANT: BERRY, Alan
; APPLICANT: BRETZEL, Werner
; APPLICANT: HUMBELIN, Markus
; APPLICANT: LOPEZ-ULIBARRI, Rual
; APPLICANT: MAYER, Anne F.
; APPLICANT: YELISEEV, Alexei A.
; TITLE OF INVENTION: IMPROVED ISOPRENOID PRODUCTION
; FILE REFERENCE: C38435/121966
; CURRENT APPLICATION NUMBER: US/11/129,143
; CURRENT FILING DATE: 2005-05-13
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
```



```
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Enterococcus faecium
US-11-129-143-98
```

```
Query Match      0.4%; Score 6; DB 7; Length 314;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      752 EILLEN 757
      |||||
Db      126 EILLEN 131
```

```
RESULT 194
US-11-156-084-296
```

```
; Sequence 296, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
```

```
; CURRENT APPLICATION NUMBER: US/11/156,084
```

```
; CURRENT FILING DATE: 2005-06-17
```

```
; NUMBER OF SEQ ID NOS: 364
```

```
; SOFTWARE: PatentIn version 3.2
```

```
; SEQ ID NO 296
```

```
; LENGTH: 314
```

```
; TYPE: PRT
```

```
; ORGANISM: Clostridium tetani
```

```
US-11-156-084-296
```

```
Query Match      0.4%; Score 6; DB 7; Length 314;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      436 VKELKE 441
      |||||
Db      225 VKELKE 230
```

```
RESULT 195
```

```
US-10-453-372-212
```

```
; Sequence 212, Application US/10453372
```

```
; Publication No. US20060003323A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alsbjork, et al.
```

```
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
```

```
; FILE REFERENCE: 21402-589 A
```

```
; CURRENT APPLICATION NUMBER: US/10/453,372
```

```
; CURRENT FILING DATE: 2003-06-03
```

```
; PRIOR APPLICATION NUMBER: 09/789390
```

```
; PRIOR FILING DATE: 2001-02-23
```

```
; PRIOR APPLICATION NUMBER: 60/185967
```

```
; PRIOR FILING DATE: 2000-03-01
```

```
; PRIOR APPLICATION NUMBER: 09/823187
```

```
; PRIOR FILING DATE: 2001-03-29
```

```
; PRIOR APPLICATION NUMBER: 60/195792
```

```
; PRIOR FILING DATE: 2000-03-10
```

```
; PRIOR APPLICATION NUMBER: 09/839446
```

```
; PRIOR FILING DATE: 2001-03-19
```

```
; PRIOR APPLICATION NUMBER: 60/199476
```

```
; PRIOR FILING DATE: 2000-03-25
```

```
; PRIOR APPLICATION NUMBER: 09/863776
```

```
; PRIOR FILING DATE: 2001-05-23
```

```
; PRIOR APPLICATION NUMBER: 60/208263
```

```
; PRIOR FILING DATE: 2000-05-31
```

```
; PRIOR APPLICATION NUMBER: 09/939398
```

```
; PRIOR FILING DATE: 2001-08-24
```

```
; PRIOR APPLICATION NUMBER: 60/227800
```

```
; PRIOR FILING DATE: 2000-08-25
```

```
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 212
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-212
```

```
Query Match      0.4%; Score 6; DB 6; Length 315;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      928 YEGDGI 933
      |||||
Db      75 YEGDGI 80
```

```
RESULT 196
```

```
US-10-667-295-115
```

```
; Sequence 115, Application US/10667295
```

```
; Publication No. US20050257293A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Masclia, Peter
```

```
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
```

```
; FILE REFERENCE: 11696-047001
```

```
; CURRENT APPLICATION NUMBER: US/10/667,295
```

```
; CURRENT FILING DATE: 2003-09-17
```

```
; PRIOR APPLICATION NUMBER: US 60/411,823
```

```
; PRIOR FILING DATE: 2002-09-17
```

```
; NUMBER OF SEQ ID NOS: 263
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 115
```

```
; LENGTH: 316
```

```
; TYPE: PRT
```

```
; ORGANISM: Glycine max
```

```
; FEATURE:
```

```
; NAME/KEY: VARIANT
```

```
; LOCATION: (1)...(316)
```

```
; OTHER INFORMATION: Ceres Seq. ID no. 12430831
```

```
US-10-667-295-115
```

```
Query Match      0.4%; Score 6; DB 6; Length 316;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1022 GSLKKE 1027
      |||||
Db      214 GSLKKE 219
```

```
RESULT 197
```

```
US-10-131-826A-374
```

```
; Sequence 374, Application US/10131826A
```

```
; Publication No. US20050245730A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
```

```
; APPLICANT: Beresini, Maureen
```

```
; APPLICANT: DeForge, Laura
```

```
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Filvaroff, Ellen
```

```
; APPLICANT: Gao, Wei-Qiang
```

```
; APPLICANT: Gerritsen, Mary E.
```

```
; APPLICANT: Goddard, Audrey
```

```
; APPLICANT: Godowski, Paul J.
```

```
; APPLICANT: Gurney, Austin L.
```

```
; APPLICANT: Sherwood, Steven
```

```
; APPLICANT: Smith, Victoria
```

```
; APPLICANT: Stewart, Timothy A.
```

```
; APPLICANT: Tumas, Daniel
```

```
; APPLICANT: Watanabe, Colin K
```

```
; APPLICANT: Wood, William
```

```
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 374
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-374
```

```
Query Match
Best Local Similarity 0.4%; Score 6; DB 6; Length 318;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 480 GGIVLS 485
Db 185 GGIVLS 190
```

```
RESULT 198
US-11-021-305-168
; Sequence 168, Application US/11021305
; Publication No. US20050282733A1
; GENERAL INFORMATION:
; APPLICANT: Prins, Johannes B
; APPLICANT: Hutley, Louise J
; TITLE OF INVENTION: Differentiation-modulating agents and uses therefor
; FILE REFERENCE: DAV1169.001CPI
; CURRENT APPLICATION NUMBER: US/11/021,305
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: USSN 60/392,130
; PRIOR FILING DATE: 2002-06-27
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 168
; LENGTH: 318
; TYPE: PRT
; ORGANISM: mammalian
US-11-021-305-168
```

```
Query Match
Best Local Similarity 0.4%; Score 6; DB 7; Length 318;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1286 VYCKLE 1291
Db 302 VYCKLE 307
```

```
RESULT 199
US-10-793-626-2368
```

```
; Sequence 2368, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2368
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2368
```

```
Query Match
Best Local Similarity 0.4%; Score 6; DB 6; Length 319;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 975 SLVTGE 980
Db 210 SLVTGE 215
```

```
RESULT 200
US-10-821-234-981
; Sequence 981, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 981
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-981
```

```
Query Match
Best Local Similarity 0.4%; Score 6; DB 6; Length 323;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 8 QNGGEG 13
Db 181 QNGGEG 186
```

```
RESULT 201
US-10-485-517-306
; Sequence 306, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: PI00629WO
```

```
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 306
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-306

Query Match      0.4%; Score 6; DB 6; Length 326;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      596 YLDLVY 601
Db      304 YLDLVY 309

RESULT 202
US-10-131-826A-326
; Sequence 326, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 326
```

```
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-326
```

```
Query Match      0.4%; Score 6; DB 6; Length 328;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      719 SLELLF 724
Db      223 SLELLF 228
```

```
RESULT 203
US-11-149-403-9
; Sequence 9, Application US/11149403
; Publication No. US20060005280A1
; GENERAL INFORMATION:
; APPLICANT: Scoop, Johan M.
; APPLICANT: Allen, Stephen M.
; APPLICANT: Calmi, Perry G.
; TITLE OF INVENTION: Plant Galactinol Synthases Homologs
; FILE REFERENCE: BB1539
; CURRENT APPLICATION NUMBER: US/11/149,403
; CURRENT FILING DATE: 2005-06-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Glycine max
US-11-149-403-9
```

```
Query Match      0.4%; Score 6; DB 7; Length 328;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      450 FLNIYF 455
Db      220 FLNIYF 225
```

```
RESULT 204
US-11-152-697-4
; Sequence 4, Application US/11152697
; Publication No. US20060003367A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
; TITLE OF INVENTION: PROTEIN, BGS-18
; FILE REFERENCE: D0242 NP
; CURRENT APPLICATION NUMBER: US/11/152,697
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/580,006
; PRIOR FILING DATE: 2004-06-15
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-152-697-4
```

```
Query Match      0.4%; Score 6; DB 7; Length 328;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      693 PSLQAW 698
Db      301 PSLQAW 306
```

RESULT 205
US-10-995-561-694
; Sequence 694, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 694
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-694

Query Match 0.4%; Score 6; DB 6; Length 329;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1046 FIFLTT 1051
|||
Db 13 FIFLTT 18

RESULT 206
US-10-467-962B-61
; Sequence 61, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Dueschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 61
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-61

Query Match 0.4%; Score 6; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 510 HVFKGV 515
|||
Db 250 HVFKGV 255

RESULT 207
US-10-467-657-2442
; Sequence 2442, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetha
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:

; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2442
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2442

Query Match 0.4%; Score 6; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 797 EIDAAAL 802
|||
Db 208 EIDAAAL 213

RESULT 208
US-11-143-980-57
; Sequence 57, Application US/11143980
; Publication No. US20050272133A1
; GENERAL INFORMATION:
; APPLICANT: He, Min
; APPLICANT: Hucul, John
; APPLICANT: Haltli, Bradley A.
; APPLICANT: Wagenaar, Melissa M.
; APPLICANT: Graziani, Edmund
; APPLICANT: Summers, Mia
; APPLICANT: Kulowski, Kerry
; APPLICANT: Pong, Kevin
; TITLE OF INVENTION: Biosynthetic Gene Cluster for the Production of a Complex
; TITLE OF INVENTION: Polypeptide
; FILE REFERENCE: AM-101426US
; CURRENT APPLICATION NUMBER: US/11/143,980
; CURRENT FILING DATE: 2005-06-03
; PRIOR APPLICATION NUMBER: US 60/664,483
; PRIOR FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: US 60/576,895
; PRIOR FILING DATE: 2004-06-03
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 57
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Streptomyces sp.
US-11-143-980-57

Query Match 0.4%; Score 6; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 AIIAGV 75
|||
Db 257 AIIAGV 262

RESULT 209
US-11-099-691-8
; Sequence 8, Application US/11099691
; Publication No. US20050260644A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: BANDMAN, Olga
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: BAUGHN, Mariah R.


```
; APPLICANT: YANG, Junming
; TITLE OF INVENTION: CELL SIGNALING PROTEINS
; FILE REFERENCE: PF-0521 PCT
; CURRENT APPLICATION NUMBER: US/11/099,691
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: US/09/700,444
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 60/085,343
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/098,010
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte Clone 054191
US-11-099-691-8
```

```
Query Match          0.4%; Score 6; DB 7; Length 336;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      142 HMALYV 147
        |||||
Db       262 HMALYV 267
```

```
RESULT 210
US-10-914-165-37
; Sequence 37, Application US/10914165
; Publication No. US20050244840A9
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICQUEL, BRIGITTE
; TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCObACTERIAL MOLECULES
; FILE REFERENCE: 03495.0182-01
; CURRENT APPLICATION NUMBER: US/10/914,165
; CURRENT FILING DATE: 2004-08-10
; PRIOR APPLICATION NUMBER: US/10/383,675
; PRIOR FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-914-165-37
```

```
Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1144 GQNHQG 1149
        |||||
Db       144 GQNHQG 149
```

```
RESULT 211
US-10-793-626-2868
; Sequence 2868, Application US/10793626
; Publication No. US20050255478A1
```

```
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2868
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2868
```

```
Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      321 LNEAFS 326
        |||||
Db       261 LNEAFS 266
```

```
RESULT 212
US-10-467-657-8208
; Sequence 8208, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 8208
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8208
```

```
Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      253 PEPEIL 258
        |||||
Db       233 PEPEIL 238
```

```
RESULT 213
US-10-467-657-2616
; Sequence 2616, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
```

; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2616
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2616

Query Match 0.4%; Score 6; DB 6; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1065 TLXLTLD 1070
Db 74 TLXLTLD 79

RESULT 214
US-10-793-626-2034
; Sequence 2034, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2034
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2034

Query Match 0.4%; Score 6; DB 6; Length 346;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 136 ATYDGR 141
Db 117 ATYDGR 122

RESULT 215
US-10-873-528-20.
; Sequence 20, Application US/10873528
; Publication No. US20050276814A1
; GENERAL INFORMATION:
; APPLICANT: Microbial Technics Limited
; APPLICANT: Gilbert, Christophe FG
; APPLICANT: Hansbro, Philip M
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: PWC/P21129WO
; CURRENT APPLICATION NUMBER: US/10/873,528
; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/09/769,787
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: GB 9816337.1
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: US 60/125164
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 20
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-873-528-20

Query Match 0.4%; Score 6; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 69 PAIAG 74
Db 163 PAIAG 168

RESULT 216
US-10-454-437-290
; Sequence 290, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habermayer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 290
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-290

Query Match 0.4%; Score 6; DB 6; Length 350;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 242 YPRLEV 247
Db 67 YPRLEV 72

RESULT 217
US-11-214-199-25
; Sequence 25, Application US/11214199
; Publication No. US20060003377A1
; GENERAL INFORMATION:
; APPLICANT: HILTON, Douglas J

```
; APPLICANT: ALEXANDER, Warren S
; APPLICANT: VINEY, Elizabeth M
; APPLICANT: WILLSON, Tracey A
; APPLICANT: RICHARDSON, Rachael T
; APPLICANT: STARR, Robyn
; APPLICANT: NICHOLSON, Sandra E
; APPLICANT: METCALF, Donald
; APPLICANT: NICOLA, Nicos A
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC PROTEINS COMPRISING A SOCS
; TITLE OF INVENTION: BOX
; FILE REFERENCE: 10976ZA
; CURRENT APPLICATION NUMBER: US/11/214,199
; PRIOR APPLICATION NUMBER: 2005-08-29
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 09/302,769
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Mouse
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (167)
; OTHER INFORMATION: Xaa is unsure
US-11-214-199-25
```

```
Query Match          0.4%; Score 6; DB 7; Length 350;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      751 TEILLE 756
        |||||
Db       142 TEILLE 147
```

```
RESULT 218
US-10-467-657-7996
; Sequence 7996, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 7996
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7996
```

```
Query Match          0.4%; Score 6; DB 6; Length 355;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      831 GLPVVV 836
        |||||
Db       234 GLPVVV 239
```

```
RESULT 219
US-11-123-013-6
```

```
; Sequence 6, Application US/11123013
; Publication No. US20050287637A1
; GENERAL INFORMATION:
; APPLICANT: Betenbaugh, Michael J.
; APPLICANT: Lawrence, Shawn J.
; APPLICANT: Lee, Yuan C.
; APPLICANT: Coleman, Timothy A.
; TITLE OF INVENTION: Engineering Intracellular Sialylation Pathways
; FILE REFERENCE: 03940077bp
; CURRENT APPLICATION NUMBER: US/11/123,013
; CURRENT FILING DATE: 2005-05-06
; PRIOR APPLICATION NUMBER: US 60/122,582
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: US 60/169,624
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/227,579
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: US 09/516,793
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 09/930,440
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-123-013-6
```

```
Query Match          0.4%; Score 6; DB 7; Length 359;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1144 GQNHQG 1149
        |||||
Db       26 GQNHQG 31
```

```
RESULT 220
US-11-052-554A-376
; Sequence 376, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 376
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes MGAS8232
US-11-052-554A-376
```

```
Query Match          0.4%; Score 6; DB 7; Length 360;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      114 VKKATI 119
        |||||
Db       174 VKKATI 179
```

```
RESULT 221
US-10-131-826A-252
; Sequence 252, Application US/10131826A
```

```
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 252
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-131-826A-252

Query Match      0.4%; Score 6; DB 6; Length 361;
Best local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      171 RSLG 176
      |||||
Db      5 RSLG 10
```

```
RESULT 222
US-11-082-389-418
; Sequence 418, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
```

```
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 418
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 258
; OTHER INFORMATION: Xaa = Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 259
; OTHER INFORMATION: Xaa = Cys or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 260
; OTHER INFORMATION: Xaa = Asp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 261
; OTHER INFORMATION: Xaa = Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 262, 270
; OTHER INFORMATION: Xaa = Met or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 272
; OTHER INFORMATION: Xaa = Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 273
; OTHER INFORMATION: Xaa = Arg, Lys, Ser, or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 274
; OTHER INFORMATION: Xaa = Phe or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 275
; OTHER INFORMATION: Xaa = Lys, Asn, Met, or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 276
; OTHER INFORMATION: Xaa = Gly, Arg, Ala, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 277
```



```
; OTHER INFORMATION: Xaa = Ile or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 279
; OTHER INFORMATION: Xaa = Lys or Gln
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 280
; OTHER INFORMATION: Xaa = Glu, Lys, Asp, or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 286
; OTHER INFORMATION: Xaa = any amino acid except Glu, Lys, Met,
; FEATURE:
; OTHER INFORMATION: Gln, or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 287
; OTHER INFORMATION: Xaa = Leu, Pro, Gln, or Arg
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 289
; OTHER INFORMATION: Xaa = Val, Ala, Asp, or Gly
US-11-082-389-418
```

```
Query Match      0.4%; Score 6; DB 7; Length 362;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      154 SSLDQS 159
        |||||
Db       121 SSLDQS 126
```

```
RESULT 223
US-11-054-281-120
; Sequence 120, Application US/11054281
; Publication No. US20060013813A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240CIP
; CURRENT APPLICATION NUMBER: US/11/054,281
; CURRENT FILING DATE: 2005-02-08
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 120
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-054-281-120
```

```
Query Match      0.4%; Score 6; DB 7; Length 363;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      607 SRKPTP 612
```

```
Db       64 SRKPTP 69
        |||||
```

```
RESULT 224
US-10-793-626-2626
; Sequence 2626, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2626
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2626
```

```
Query Match      0.4%; Score 6; DB 6; Length 364;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      70 AIRAGV 75
        |||||
Db       145 AIRAGV 150
```

```
RESULT 225
US-11-156-084-137
; Sequence 137, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; TITLE OF INVENTION: agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 137
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (188)..(188)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (240)..(240)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-156-084-137
```

```
Query Match      0.4%; Score 6; DB 7; Length 366;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      831 GLPVVV 836
        |||||
Db       135 GLPVVV 140
```

```
RESULT 226
```

```
US-11-024-959-485
; Sequence 485, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 485
; LENGTH: 369
; TYPE: PRT
; ORGANISM: pihus radiata
US-11-024-959-485

Query Match      0.4%; Score 6; DB 7; Length 369;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1345 QCLEGG 1350
DB      65 QCLEGG 70

RESULT 227
US-10-454-437-250
; Sequence 250, Application US/10454437
; Publication No. US2005027115A1
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Krogger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 250
```

```
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-250

Query Match      0.4%; Score 6; DB 6; Length 371;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      972 CPVSLV 977
DB      325 CPVSLV 330

RESULT 228
US-11-120-308-118
; Sequence 118, Application US/11120308
; Publication No. US20060005277A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Forge, Charlie
; APPLICANT: Miao, Guo-Hua
; TITLE OF INVENTION: cDNAs Encoding Polypeptides
; FILE REFERENCE: BB-1365 US NA
; CURRENT APPLICATION NUMBER: US/11/120,308
; CURRENT FILING DATE: 2005-05-02
; PRIOR APPLICATION NUMBER: US/10/078,770
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 09/614,188
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: 60/143,400
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/153,534
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 60/161,223
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/159,878
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/157,401
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/143,419
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/143,409
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 118
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-120-308-118

Query Match      0.4%; Score 6; DB 7; Length 371;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      257 ILSPLQ 262
DB      148 ILSPLQ 153

RESULT 229
US-11-024-959-362
; Sequence 362, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
```

```
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 362
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-362
```

```
Query Match      0.4%; Score 6; DB 7; Length 372;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1345 QCLEGG 1350
        |||||
Db       64 QCLEGG 69
```

```
RESULT 230
US-11-000-463-453
; Sequence 453, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CTP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 453
; LENGTH: 374
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-453
```

```
Query Match      0.4%; Score 6; DB 7; Length 374;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      211 HSSGEE 216
        |||||
Db       334 HSSGEE 339
```

```
RESULT 231
US-09-978-360A-506
; Sequence 506, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
```

```
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 506
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -37...-1
US-09-978-360A-506
```

```
Query Match      0.4%; Score 6; DB 5; Length 379;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1230 DCGVPD 1235
        |||||
Db       205 DCGVPD 210
```

```
RESULT 232
US-10-467-657-6760
; Sequence 6760, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASNIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
```

```
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 6760
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6760
```

```
Query Match          0.4%; Score 6; DB 6; Length 380;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      800 ALLTS 805
      |||||
Db      162 ALLTS 167
```

RESULT 233

```
US-10-525-674-28
; Sequence 28, Application US/10525674
; Publication No. US20060003425A1
; GENERAL INFORMATION:
; APPLICANT: Kroger, Burkhard
; APPLICANT: Zeider, Oskar
; APPLICANT: Kolpprogge, Corinna
; APPLICANT: Schroder, Hartwig
; APPLICANT: Hafner, Stefan
; TITLE OF INVENTION: Method for Zymotic Production of Fine Chemicals Containing
; TITLE OF INVENTION: Sulphur (Meta)
; FILE REFERENCE: 13111-00002-US
; CURRENT APPLICATION NUMBER: US/10/525,674
; PRIOR FILING DATE: 2005-02-24
; PRIOR APPLICATION NUMBER: PCT/EP 2003/009452
; PRIOR FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: DE 102 39 073.8
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Thermus thermophilus
US-10-525-674-28
```

```
Query Match          0.4%; Score 6; DB 6; Length 380;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1311 DNHDVG 1316
      |||||
Db      302 DNHDVG 307
```

RESULT 234

```
US-11-159-516A-2.
; Sequence 2, Application US/1159516A
; Publication No. US20050266484A1
; GENERAL INFORMATION:
; APPLICANT: Antignac, Corinne
; APPLICANT: Boute, Nicolas
; TITLE OF INVENTION: NPHS2 GENE INVOLVED IN THE STEROID-RESISTANT NEPHROTIC SYNDROME,
; TITLE OF INVENTION: PROTEIN ENCODED BY SAID GENE AND DIAGNOSTIC AND THERAPEUTIC USES
; FILE REFERENCE: 03754/100L671-US1
; CURRENT APPLICATION NUMBER: US/11/159,516A
; CURRENT FILING DATE: 2005-06-22
; PRIOR APPLICATION NUMBER: 10/199,945
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: PCT/FR01/00188
; PRIOR FILING DATE: 2001-01-20
; PRIOR APPLICATION NUMBER: FR 0000709
; PRIOR FILING DATE: 2000-01-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.3
```

```
; SEQ ID NO 2
; LENGTH: 383
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-159-516A-2
```

```
Query Match          0.4%; Score 6; DB 7; Length 383;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      751 TEILLE 756
      |||||
Db      232 TEILLE 237
```

RESULT 235

```
US-11-159-516A-29
; Sequence 29, Application US/1159516A
; Publication No. US20050266484A1
; GENERAL INFORMATION:
; APPLICANT: Antignac, Corinne
; APPLICANT: Boute, Nicolas
; TITLE OF INVENTION: NPHS2 GENE INVOLVED IN THE STEROID-RESISTANT NEPHROTIC SYNDROME,
; TITLE OF INVENTION: PROTEIN ENCODED BY SAID GENE AND DIAGNOSTIC AND THERAPEUTIC USES
; FILE REFERENCE: 03754/100L671-US1
; CURRENT APPLICATION NUMBER: US/11/159,516A
; CURRENT FILING DATE: 2005-06-22
; PRIOR APPLICATION NUMBER: 10/199,945
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: PCT/FR01/00188
; PRIOR FILING DATE: 2001-01-20
; PRIOR APPLICATION NUMBER: FR 0000709
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 29
; LENGTH: 383
; TYPE: PRT
; ORGANISM: Rattus rattus
US-11-159-516A-29
```

```
Query Match          0.4%; Score 6; DB 7; Length 383;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      751 TEILLE 756
      |||||
Db      232 TEILLE 237
```

RESULT 236

```
US-10-131-826A-340
; Sequence 340, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```



```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 340
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-340
```

```
Query Match      0.4%; Score 6; DB 6; Length 386;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
```

```
RESULT 237
US-11-185-878-2
; Sequence 2, Application US/11185878
; Publication No. US20050282217A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor 10
; FILE REFERENCE: EP379P1D1
; CURRENT APPLICATION NUMBER: US/11/185,878
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/280,047
; PRIOR FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: 09/580,212
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/086,483
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/069,112
; PRIOR FILING DATE: 1997-12-09
; PRIOR APPLICATION NUMBER: 60/050,936
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/144,023
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/142,563
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/136,786
; PRIOR FILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 386
; TYPE: PRT
```

```
; ORGANISM: human
US-11-185-878-2
```

```
Query Match      0.4%; Score 6; DB 7; Length 386;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
```

```
RESULT 238
US-11-099-135-1
; Sequence 1, Application US/11099135
; Publication No. US20050287635A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi et al.
; TITLE OF INVENTION: RTD Receptor
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/099,135
; FILING DATE: 05-APR-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/548,815
; FILING DATE: 13-APR-2000
; APPLICATION NUMBER: US 08/918,874
; FILING DATE: 26-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1129
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5416
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 386 amino acids
; TYPE: Amino Acid
; TOPOLOGY: linear
US-11-099-135-1

Query Match      0.4%; Score 6; DB 7; Length 386;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
```

```
RESULT 239
US-11-139-425-5
; Sequence 5, Application US/11139425
; Publication No. US20060010518A1
; GENERAL INFORMATION:
; APPLICANT: FELDMANN, Kenneth A
; APPLICANT: NADZAN, Gregory
; APPLICANT: THEISS, Noah
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY USEFUL FOR
```

```
; TITLE OF INVENTION: MODIFYING PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1597PUS2
; CURRENT APPLICATION NUMBER: US/11/139,425
; CURRENT FILING DATE: 2005-05-27
; PRIOR APPLICATION NUMBER: 60/575,183
; PRIOR FILING DATE: 2004-05-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5
; LENGTH: 387
; TYPE: PRT
; ORGANISM: Zea mays
US-11-139-425-5

Query Match          0.4%; Score 6; DB 7; Length 387;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      463 LAGAAAT 468
        |||||
Db       157 LAGAAAT 162

RESULT 240
US-10-527-500-5
; Sequence 5, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kanhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Phlebotomus ariasi
US-10-527-500-5

Query Match          0.4%; Score 6; DB 6; Length 388;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      68 NPAIIA 73
        |||||
Db       132 NPAIIA 137

RESULT 241
US-11-000-463-316
; Sequence 316, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
```

```
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiahong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-316
```

```
Query Match          0.4%; Score 6; DB 7; Length 389;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      35 RRERLL 40
        |||||
Db       257 RRERLL 262
```

```
RESULT 242
US-10-957-569-35
; Sequence 35, Application US/10957569
; Publication No. US20050246785A1
; GENERAL INFORMATION:
; APPLICANT: COOK, Zhihong et al.
; TITLE OF INVENTION: PROMOTER, PROMOTER CONTROL ELEMENTS, AND COMBINATIONS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 2750-1577PUS3
; CURRENT APPLICATION NUMBER: US/10/957,569
; CURRENT FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 10/950,321
; PRIOR FILING DATE: 2004-09-23
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 35
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-957-569-35
```

```
Query Match          0.4%; Score 6; DB 6; Length 392;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      196 WSTALP 201
        |||||
Db       29 WSTALP 34
```

```
RESULT 243
US-10-527-500-7
; Sequence 7, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kanhaw1, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Phlebotomus ariasi
US-10-527-500-7
```

```
Query Match      0.4%; Score 6; DB 6; Length 393;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      68 NPATTA 73
      |||||
Db      133 NPATTA 138
```

```
RESULT 244
US-11-055-822-1094
; Sequence 1094, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
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; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 1094
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-1094
```

```
Query Match      0.4%; Score 6; DB 7; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      776 IKLHVD 781
      |||||
Db      57 IKLHVD 62
```

```
RESULT 245
US-11-043-752-2
; Sequence 2, Application US/11043752
; Publication No. US20060014165A1
; GENERAL INFORMATION:
; APPLICANT: Hakonarson, Hakon
; APPLICANT: Gurney, Mark E.
; APPLICANT: Halapi, Eva
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT FOR
; TITLE OF INVENTION: ASTHMA AND OTHER RESPIRATORY DISEASES BASED ON HAPLOTYPE
; TITLE OF INVENTION: ASSOCIATION
; FILE REFERENCE: 2345.2044-003
; CURRENT APPLICATION NUMBER: US/11/043,752
; CURRENT FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: PCT/US04/022446
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: 60/487,072
; PRIOR FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 60/559,611
; PRIOR FILING DATE: 2004-04-05
; NUMBER OF SEQ ID NOS: 4326
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-752-2
```

```
Query Match      0.4%; Score 6; DB 7; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1307 HCLQDN 1312
      |||||
Db      279 HCLQDN 284
```

```
RESULT 246
US-11-125-295-11
; Sequence 11, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomnichy, Boris
; APPLICANT: Wang, Xiaoming
; APPLICANT: Donoho, Gregory
; APPLICANT: Scoville, John
; APPLICANT: Walke, D. Wade
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0167-USA
```

```
; CURRENT APPLICATION NUMBER: US/11/125,295
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/620,845
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US/09/841,683
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: US 60/199,499
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: US 60/201,227
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 396
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-125-295-11
```

```
Query Match          0.4%; Score 6; DB 7; Length 396;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      173 LLLGGD 178
        |||||
Db       102 LLLGGD 107
```

```
RESULT 247
US-10-467-657-4202
; Sequence 4202, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 4202
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4202
```

```
Query Match          0.4%; Score 6; DB 6; Length 397;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      440 KEALQL 445
        |||||
Db       185 KEALQL 190
```

```
RESULT 248
US-10-485-517-317
; Sequence 317, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
```

```
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 317
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-317
```

```
Query Match          0.4%; Score 6; DB 6; Length 400;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      70 AIIAGV 75
        |||||
Db       184 AIIAGV 189
```

```
RESULT 249
US-10-517-939-132
; Sequence 132, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Unknown
; FEATURES:
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(26)
US-10-517-939-132
```

```
Query Match          0.4%; Score 6; DB 6; Length 405;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      463 LAGGAT 468
        |||||
Db       30 LAGGAT 35
```

```
RESULT 250
US-11-125-295-9
; Sequence 9, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomnichy, Boris
; APPLICANT: Wang, Xiaoming
; APPLICANT: Donoho, Gregory
```



```
; APPLICANT: Scoville, John
; APPLICANT: walke, D. Wade
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0167-USA
; CURRENT APPLICATION NUMBER: US/11/125,295
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/620,845
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US/09/841,683
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: US 60/199,499
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: US 60/201,227
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 407
; TYPE: PRT
; ORGANISM: homo sapiens
; US-11-125-295-9
```

```
Query Match          0.4%; Score 6; DB 7; Length 407;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

QY	173	LLGGD	178
Db	102	LLGGD	107

Search completed; January 30, 2006, 15:38:45
Job time : 18 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:30:59 ; Search time 78 Seconds
(without alignments)
8345.873 Million cell updates/sec

Title: US-09-983-025B-2_COPY_234_1791
Perfect score: 1558
Sequence: 1 SPPEESNONGEGSYREAF.....AADCDLDECTCRDPKAEENQ 1558

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 5

Total number of hits satisfying chosen parameters: 311388

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database :
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2: /cn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1558	100.0	1791	3	US-09-983-025-2
2	1303	83.6	1791	3	US-09-827-998-3
3	1303	83.6	1791	3	US-10-675-685-3
4	1299	83.4	1770	4	US-09-827-998-10
5	1299	83.4	1770	4	US-10-675-685-10
6	574	36.8	1385	3	US-09-827-998-16
7	574	36.8	1385	4	US-10-675-685-16
8	192	12.3	192	3	US-09-864-761-34265
9	70	4.5	70	3	US-09-864-761-34264
10	63	4.0	63	3	US-09-864-761-34262
11	18	1.2	704	5	US-10-741-600-1402
12	18	1.2	858	4	US-10-334-143-85
13	18	1.2	1232	5	US-10-741-600-1404
14	18	1.2	1420	5	US-10-741-600-1403
15	18	1.2	1420	5	US-10-741-600-1405
16	18	1.2	1547	5	US-10-783-311-2
17	18	1.2	1627	4	US-09-983-025-25
18	18	1.2	1627	3	US-10-295-027-663
19	18	1.2	1627	5	US-10-783-311-1
20	18	1.2	1627	5	US-10-741-600-1406
21	18	1.2	1627	5	US-10-991-321-32
22	18	1.2	1627	5	US-10-887-229A-8
23	18	1.2	1752	5	US-10-450-763-41497
24	11	0.7	20	3	US-09-827-998-18
25	11	0.7	20	4	US-10-675-685-18
26	9	0.6	502	4	US-10-369-493-18401
27	8	0.5	20	4	US-10-115-072-7

28	8	0.5	20	4	US-10-679-032-45	Sequence 45, Appli
29	8	0.5	28	4	US-10-029-386-30575	Sequence 30575, A
30	8	0.5	43	4	US-10-424-599-243752	Sequence 243752, A
31	8	0.5	47	5	US-10-656-053B-90	Sequence 90, Appli
32	8	0.5	66	4	US-10-425-115-352366	Sequence 352366, A
33	8	0.5	87	3	US-09-864-408A-7358	Sequence 7358, Ap
34	8	0.5	117	4	US-10-437-963-137791	Sequence 137791, A
35	8	0.5	118	4	US-10-425-115-301015	Sequence 129209, A
36	8	0.5	145	4	US-10-425-115-301015	Sequence 301015, A
37	8	0.5	153	4	US-10-425-115-301017	Sequence 301017, A
38	8	0.5	158	4	US-10-425-115-358611	Sequence 358611, A
39	8	0.5	173	4	US-10-424-599-211488	Sequence 211488, A
40	8	0.5	194	4	US-10-424-599-261285	Sequence 261285, A
41	8	0.5	202	5	US-10-732-923-15571	Sequence 15571, A
42	8	0.5	204	4	US-10-437-963-195783	Sequence 32497, A
43	8	0.5	221	4	US-10-767-701-32497	Sequence 50794, A
44	8	0.5	279	4	US-10-424-599-261287	Sequence 261287, A
45	8	0.5	281	4	US-10-282-122A-61115	Sequence 61115, A
46	8	0.5	377	4	US-10-602-898A-14	Sequence 14, Appli
47	8	0.5	377	5	US-10-732-923-7459	Sequence 7459, Ap
48	8	0.5	457	3	US-09-815-242-13478	Sequence 13478, A
49	8	0.5	457	4	US-10-282-122A-74115	Sequence 74115, A
50	8	0.5	457	5	US-10-472-928-3436	Sequence 3436, Ap
51	8	0.5	470	4	US-10-156-761-8854	Sequence 8854, Ap
52	8	0.5	481	4	US-10-156-761-14941	Sequence 14941, A
53	8	0.5	489	4	US-10-156-761-8688	Sequence 8688, Ap
54	8	0.5	588	4	US-10-282-122A-60140	Sequence 60140, A
55	8	0.5	592	4	US-10-376-893-3	Sequence 3, Appli
56	8	0.5	592	5	US-10-734-049A-261	Sequence 261, App
57	8	0.5	592	5	US-10-927-904-2	Sequence 2, Appli
58	8	0.5	592	5	US-10-450-763-30777	Sequence 30777, A
59	8	0.5	598	3	US-09-925-301-1218	Sequence 1218, Ap
60	8	0.5	598	4	US-10-106-698-4589	Sequence 4589, Ap
61	8	0.5	602	4	US-10-282-122A-67750	Sequence 67750, A
62	8	0.5	602	4	US-10-282-122A-69598	Sequence 69598, A
63	8	0.5	615	4	US-10-375-039-32	Sequence 32, Appli
64	8	0.5	712	4	US-10-425-115-304986	Sequence 304986, A
65	8	0.5	1076	4	US-10-369-493-13831	Sequence 13831, A
66	8	0.5	1175	4	US-10-425-115-338822	Sequence 338822, A
67	8	0.5	1460	4	US-10-128-714-8301	Sequence 8301, Ap
68	8	0.5	1706	3	US-09-864-761-46862	Sequence 46862, A
69	8	0.5	3000	4	US-10-741-601-431	Sequence 431, App
70	8	0.5	3000	5	US-10-741-600-1286	Sequence 1286, Ap
71	8	0.5	4536	5	US-10-398-200-2	Sequence 2, Appli
72	8	0.5	4563	3	US-09-870-759-128	Sequence 128, App
73	8	0.5	4563	3	US-09-802-640-32	Sequence 32, Appli
74	8	0.5	4563	3	US-09-751-708A-128	Sequence 128, App
75	8	0.5	4563	4	US-10-403-902A-32	Sequence 32, Appli
76	8	0.5	4563	4	US-10-741-601-432	Sequence 432, App
77	8	0.5	4563	4	US-10-741-601-433	Sequence 433, App
78	8	0.5	4563	4	US-10-428-817A-124	Sequence 124, App
79	8	0.5	4563	5	US-10-741-600-1287	Sequence 1287, Ap
80	8	0.5	4563	5	US-10-741-600-1288	Sequence 1288, Ap
81	8	0.5	4563	5	US-10-937-758A-105	Sequence 105, App
82	8	0.5	4563	5	US-10-868-577A-25	Sequence 25, Appli
83	8	0.5	4563	5	US-10-734-049A-169	Sequence 31, Appli
84	8	0.5	4563	5	US-10-097-800B-3	Sequence 3, Appli
85	8	0.4	18	4	US-10-002-244-4	Sequence 4, Appli
86	7	0.4	18	4	US-10-849-783-1	Sequence 1, Appli
87	7	0.4	19	5	US-10-849-783-3	Sequence 3, Appli
88	7	0.4	19	5	US-10-225-567A-1927	Sequence 1927, Ap
89	7	0.4	23	3	US-09-759-287A-5	Sequence 5, Appli
90	7	0.4	24	5	US-10-862-195-369	Sequence 369, App
91	7	0.4	41	4	US-10-425-115-260188	Sequence 260188, A
92	7	0.4	50	4	US-10-424-599-185684	Sequence 185684, A
93	7	0.4	53	4	US-10-425-115-270141	Sequence 270141, A
94	7	0.4	55	4	US-10-425-115-300521	Sequence 300521, A
95	7	0.4	56	4	US-10-029-386-30928	Sequence 30928, A
96	7	0.4	58	4	US-10-424-599-205515	Sequence 205515, A
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102	7	0.4	59	4	US-10-276-774-2094	Sequence 2094, Ap
103	7	0.4	60	4	US-10-424-599-194952	Sequence 194952,
104	7	0.4	60	4	US-10-425-115-187628	Sequence 187628,
105	7	0.4	60	5	US-10-450-763-44502	Sequence 44502, A
106	7	0.4	61	4	US-10-424-599-229240	Sequence 229240,
107	7	0.4	61	4	US-10-437-963-128751	Sequence 128751,
108	7	0.4	66	4	US-10-424-599-273193	Sequence 273193,
109	7	0.4	67	4	US-10-424-599-265708	Sequence 265708,
110	7	0.4	71	4	US-10-371-264-51	Sequence 51, Appl
111	7	0.4	71	4	US-10-371-099-347	Sequence 347, App
112	7	0.4	71	4	US-10-371-122-347	Sequence 347, App
113	7	0.4	71	4	US-10-373-567-51	Sequence 51, Appl
114	7	0.4	71	4	US-10-424-599-206911	Sequence 206911,
115	7	0.4	71	4	US-10-628-088-347	Sequence 347, App
116	7	0.4	71	5	US-10-831-780-347	Sequence 51, Appl
117	7	0.4	71	5	US-10-831-781-51	Sequence 147197,
118	7	0.4	72	4	US-10-437-963-147197	Sequence 54585, A
119	7	0.4	72	5	US-10-450-763-54585	Sequence 131823,
120	7	0.4	75	4	US-10-437-963-131823	Sequence 5414, Ap
121	7	0.4	75	5	US-10-501-282-5414	Sequence 187334,
122	7	0.4	76	4	US-10-424-599-187334	Sequence 275637,
123	7	0.4	76	4	US-10-424-599-275637	Sequence 251006,
124	7	0.4	79	4	US-10-425-115-251006	Sequence 154413,
125	7	0.4	80	4	US-10-437-963-154413	Sequence 178946,
126	7	0.4	81	4	US-10-437-963-178946	Sequence 285530
127	7	0.4	82	4	US-10-424-599-285530	Sequence 260925,
128	7	0.4	86	4	US-10-425-115-260925	Sequence 215995,
129	7	0.4	89	4	US-10-425-115-215995	Sequence 272244,
130	7	0.4	94	4	US-10-425-115-272244	Sequence 271618,
131	7	0.4	95	4	US-10-425-115-271618	Sequence 207426,
132	7	0.4	96	4	US-10-424-599-207426	Sequence 347279,
133	7	0.4	96	4	US-10-425-115-347279	Sequence 30900, A
134	7	0.4	98	5	US-10-450-763-30900	Sequence 237040,
135	7	0.4	99	4	US-10-425-115-237040	Sequence 151997,
136	7	0.4	101	4	US-10-437-963-151997	Sequence 47933, A
137	7	0.4	102	4	US-10-282-122A-47933	Sequence 49031, A
138	7	0.4	102	4	US-10-282-122A-49031	Sequence 50686, A
139	7	0.4	102	4	US-10-282-122A-50686	Sequence 5056, Ap
140	7	0.4	102	5	US-10-501-282-5056	Sequence 11108, A
141	7	0.4	103	3	US-09-815-242-11108	Sequence 46575, A
142	7	0.4	103	4	US-10-282-122A-46575	Sequence 58297, A
143	7	0.4	103	4	US-10-282-122A-58297	Sequence 225215,
144	7	0.4	103	4	US-10-424-599-225215	Sequence 297, App
145	7	0.4	104	3	US-09-741-669-297	Sequence 321, App
146	7	0.4	104	3	US-09-912-020-321	Sequence 5168, Ap
147	7	0.4	104	3	US-09-815-242-5168	Sequence 10348, A
148	7	0.4	104	3	US-09-815-242-10348	Sequence 14107, A
149	7	0.4	104	3	US-09-815-242-14107	Sequence 323, App
150	7	0.4	104	4	US-10-287-274-323	Sequence 42716, A
151	7	0.4	104	4	US-10-282-122A-42716	Sequence 43483, A
152	7	0.4	104	4	US-10-282-122A-43483	Sequence 56112, A
153	7	0.4	104	4	US-10-282-122A-56112	Sequence 60112, A
154	7	0.4	104	4	US-10-282-122A-60112	Sequence 67824, A
155	7	0.4	104	4	US-10-282-122A-67824	Sequence 69234, A
156	7	0.4	104	4	US-10-282-122A-69234	Sequence 73568, A
157	7	0.4	104	4	US-10-282-122A-73568	Sequence 75721, A
158	7	0.4	104	4	US-10-282-122A-75721	Sequence 78268, A
159	7	0.4	104	4	US-10-282-122A-78268	Sequence 50705, A
160	7	0.4	104	4	US-10-425-114-50705	Sequence 321, App
161	7	0.4	104	5	US-10-771-241-321	Sequence 113, App
162	7	0.4	107	3	US-09-738-973-113	Sequence 113, App
163	7	0.4	107	3	US-09-854-133-113	Sequence 113, App
164	7	0.4	107	3	US-10-144-649A-113	Sequence 149280,
165	7	0.4	107	4	US-10-424-599-149280	Sequence 276283,
166	7	0.4	108	4	US-10-425-115-276283	Sequence 5029, Ap
167	7	0.4	110	3	US-09-815-242-5029	Sequence 189285,
168	7	0.4	110	4	US-10-425-115-189285	Sequence 32346, A
169	7	0.4	111	4	US-10-767-701-32346	Sequence 216434,
170	7	0.4	111	4	US-10-425-115-216434	Sequence 216152,
171	7	0.4	112	4	US-10-425-115-216152	Sequence 350710,
172	7	0.4	112	4	US-10-425-115-350710	Sequence 68056, A
173	7	0.4	114	4	US-10-425-114-68056	
174	7	0.4	115	3	US-09-864-408A-4214	Sequence 4214, Ap
175	7	0.4	118	4	US-10-437-963-162708	Sequence 162708,
176	7	0.4	118	4	US-10-425-115-200841	Sequence 200841,
177	7	0.4	120	4	US-10-425-115-254171	Sequence 254171,
178	7	0.4	123	4	US-10-767-701-38665	Sequence 38665, A
179	7	0.4	123	4	US-10-425-115-310393	Sequence 310393,
180	7	0.4	124	4	US-10-425-115-233169	Sequence 233169,
181	7	0.4	127	4	US-10-109-048-1009	Sequence 1009, Ap
182	7	0.4	127	4	US-10-109-048-1014	Sequence 1014, Ap
183	7	0.4	131	4	US-10-425-115-230541	Sequence 230541,
184	7	0.4	132	4	US-10-437-963-126586	Sequence 126586,
185	7	0.4	133	4	US-10-424-599-263279	Sequence 263279,
186	7	0.4	134	4	US-10-437-963-158476	Sequence 158476,
187	7	0.4	136	4	US-10-425-114-41883	Sequence 41883, A
188	7	0.4	138	4	US-10-425-115-236643	Sequence 236643,
189	7	0.4	138	4	US-10-425-115-263909	Sequence 263909,
190	7	0.4	139	4	US-10-424-599-150902	Sequence 150902,
191	7	0.4	139	4	US-10-437-963-135386	Sequence 135386,
192	7	0.4	142	4	US-10-425-115-223112	Sequence 223112,
193	7	0.4	143	4	US-10-425-115-196358	Sequence 196358,
194	7	0.4	143	6	US-11-097-143-39795	Sequence 39795, A
195	7	0.4	144	4	US-10-424-599-206661	Sequence 206661,
196	7	0.4	144	5	US-10-805-684-73	Sequence 73, Appl
197	7	0.4	147	4	US-10-437-963-178775	Sequence 178775,
198	7	0.4	148	4	US-10-424-599-249722	Sequence 249722,
199	7	0.4	150	4	US-10-437-963-126703	Sequence 126703,
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202	7	0.4	154	4	US-10-385-415-98	Sequence 98, Appl
203	7	0.4	155	3	US-09-917-340-29	Sequence 29, Appl
204	7	0.4	155	4	US-10-344-709C-8	Sequence 8, Appl
205	7	0.4	155	5	US-10-844-837-29	Sequence 29, Appl
206	7	0.4	155	5	US-10-909-119-44	Sequence 44, Appl
207	7	0.4	155	5	US-10-657-851-29	Sequence 22160,
208	7	0.4	157	4	US-10-424-599-222160	Sequence 180327,
209	7	0.4	157	4	US-10-437-963-180327	Sequence 61942, A
210	7	0.4	158	4	US-10-767-701-61942	Sequence 167313,
211	7	0.4	159	4	US-10-424-599-167313	Sequence 59085, A
212	7	0.4	159	4	US-10-767-701-59085	Sequence 22406, A
213	7	0.4	161	4	US-10-369-493-22406	Sequence 317008,
214	7	0.4	161	4	US-10-425-115-317008	Sequence 82, Appl
215	7	0.4	162	3	US-09-882-227-82	Sequence 38518, A
216	7	0.4	162	4	US-10-767-701-38518	Sequence 72, Appl
217	7	0.4	162	5	US-10-805-684-72	Sequence 102587,
218	7	0.4	165	4	US-10-437-963-102587	Sequence 274517,
219	7	0.4	166	4	US-10-424-599-274517	Sequence 250906,
220	7	0.4	167	4	US-10-425-115-250906	Sequence 65507, A
221	7	0.4	169	4	US-10-282-122A-65507	Sequence 65794, A
222	7	0.4	169	4	US-10-282-122A-65794	Sequence 16, Appl
223	7	0.4	170	5	US-10-510-408-16	Sequence 1129, Ap
224	7	0.4	174	4	US-10-296-115-1129	Sequence 364462,
225	7	0.4	174	4	US-10-425-115-364462	Sequence 29058, A
226	7	0.4	178	6	US-11-097-143-29058	Sequence 49967, A
227	7	0.4	180	4	US-10-425-114-49967	Sequence 315099,
228	7	0.4	180	4	US-10-425-115-315099	Sequence 1544, Ap
229	7	0.4	181	4	US-10-017-161-1544	Sequence 156286,
230	7	0.4	181	4	US-10-424-599-282418	Sequence 282418,
231	7	0.4	182	4	US-10-424-599-156286	Sequence 28, Appl
232	7	0.4	185	4	US-10-699-035A-28	Sequence 5416, Ap
233	7	0.4	185	5	US-10-501-282-5416	Sequence 68575, A
234	7	0.4	187	4	US-10-425-114-68575	Sequence 3, Appl
235	7	0.4	189	4	US-10-351-951-3	Sequence 1876, Ap
236	7	0.4	189	5	US-10-472-928-1876	Sequence 45016, A
237	7	0.4	189	5	US-10-450-763-45016	Sequence 175224,
238	7	0.4	194	4	US-10-437-963-175224	Sequence 35403, A
239	7	0.4	195	6	US-11-097-143-35403	Sequence 77856, A
240	7	0.4	196	4	US-10-282-122A-77856	Sequence 296554,
241	7	0.4	196	4	US-10-425-115-296554	Sequence 46391, A
242	7	0.4	196	5	US-10-450-763-46391	Sequence 69070, A
243	7	0.4	198	4	US-10-282-122A-69070	Sequence 142091,
244	7	0.4	198	4	US-10-437-963-142091	Sequence 40, Appl
245	7	0.4	199	5	US-10-921-023-40	Sequence 51043, A
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247	7	0.4	201	4	US-10-282-122A-52842	Sequence 52842, A	320	7	0.4	305	5	US-10-663-497-7	Sequence 7, Appli
248	7	0.4	201	5	US-10-617-320-3611	Sequence 3611, Ap	321	7	0.4	311	3	US-09-886-055-291	Sequence 291, App
249	7	0.4	203	4	US-10-282-122A-72720	Sequence 72720, A	322	7	0.4	311	3	US-09-864-029-12	Sequence 12, Appl
250	7	0.4	204	4	US-10-424-599-219633	Sequence 219633,	323	7	0.4	311	3	US-09-804-291-291	Sequence 291, App
251	7	0.4	205	3	US-09-815-242-10146	Sequence 10146, A	324	7	0.4	311	4	US-10-156-761-10112	Sequence 10112, A
252	7	0.4	205	4	US-10-282-122A-56531	Sequence 56531, A	325	7	0.4	311	4	US-10-017-161-536	Sequence 536, App
253	7	0.4	205	4	US-10-282-122A-59352	Sequence 59352, A	326	7	0.4	311	4	US-10-343-650A-646	Sequence 646, App
254	7	0.4	205	4	US-10-282-122A-75980	Sequence 75980, A	327	7	0.4	311	5	US-10-819-316-291	Sequence 291, App
255	7	0.4	207	4	US-10-425-115-264707	Sequence 264707,	328	7	0.4	314	4	US-10-437-963-151175	Sequence 151175,
256	7	0.4	209	3	US-09-862-027-6	Sequence 6, Appli	329	7	0.4	315	4	US-10-767-701-41469	Sequence 41469, A
257	7	0.4	209	5	US-10-989-228-6	Sequence 6, Appli	330	7	0.4	318	4	US-10-425-115-264703	Sequence 264703,
258	7	0.4	212	6	US-11-097-143-17817	Sequence 17817, A	331	7	0.4	318	5	US-10-450-763-35646	Sequence 35646, A
259	7	0.4	213	5	US-10-450-763-36588	Sequence 36588, A	332	7	0.4	320	5	US-10-741-600-1535	Sequence 1535, Ap
260	7	0.4	217	5	US-10-980-519-12	Sequence 12, Appl	333	7	0.4	322	4	US-10-369-493-18224	Sequence 18224, A
261	7	0.4	222	3	US-09-815-242-13842	Sequence 13842, A	334	7	0.4	323	4	US-10-425-114-69340	Sequence 69340, A
262	7	0.4	223	4	US-10-437-963-114060	Sequence 114060,	335	7	0.4	323	4	US-10-149-506-4	Sequence 4, Appli
263	7	0.4	225	4	US-10-437-963-125289	Sequence 125289,	336	7	0.4	323	4	US-10-437-963-115507	Sequence 115507,
264	7	0.4	232	4	US-10-282-122A-55444	Sequence 55444, A	337	7	0.4	326	3	US-09-934-455-364	Sequence 364, App
265	7	0.4	233	4	US-10-369-493-19389	Sequence 19389, A	338	7	0.4	326	4	US-10-264-213-251	Sequence 251, App
266	7	0.4	233	4	US-10-282-122A-46941	Sequence 46941, A	339	7	0.4	326	5	US-10-739-930-6157	Sequence 6157, Ap
267	7	0.4	236	4	US-10-425-115-216597	Sequence 216597,	340	7	0.4	328	4	US-10-425-114-60102	Sequence 60102, A
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ALIGNMENTS

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RESULT 1
US-09-983-025-2
: Sequence 2, Application US/09983025
: Publication No. US20030124529A1
: GENERAL INFORMATION:
: APPLICANT: OXVIG, Claus
: APPLICANT: OVERGAARD, Michael T.
: TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
: FILE REFERENCE: OXVIG=1A
: CURRENT APPLICATION NUMBER: US/09/983, 025
: CURRENT FILING DATE: 2001-10-22
: PRIOR APPLICATION NUMBER: US 60/241, 840
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: DK PA 2000 01571
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 2
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: ORGANISM: Homo sapiens
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US-09-983-025-2

Query Match      100.0%; Score 1558; DB 3; Length 1791;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1558; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1374 EDEGQNHQOGSCITHRPCGKQDSCPSLLDHADVNCSTSIGPGLMKCAITCORGFALOASS 1433
QY 1201 GQYIRPMQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTFLKRCISISC 1260
Db 1434 GQYIRPMQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTFLKRCISISC 1493
QY 1261 VPPAKLQGLSPWLTCLEDGLMSLPEVYCKLECDAPPIILANLILPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLQGLSPWLTCLEDGLMSLPEVYCKLECDAPPIILANLILPHCLQDNHDVGTICK 1553
QY 1321 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSSCIPVVCCEPPRPVEGMYECTNGFS 1380
Db 1554 YECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSSCIPVVCCEPPRPVEGMYECTNGFS 1613
QY 1381 LDSQCVLNCNOERREKLPICTKEGLMTQEFKLCENLQGECPRPPELSNVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCNOERREKLPICTKEGLMTQEFKLCENLQGECPRPPELSNVEYKCEQGYGI 1673
QY 1441 GAVCSPLCYIIPSDPVMLENITADTLEHMEPVKVQISVCTGRQWHPDVLVHCIOQC 1500
Db 1674 GAVCSPLCYIIPSDPVMLENITADTLEHMEPVKVQISVCTGRQWHPDVLVHCIOQC 1733
QY 1501 EPPQADGWCDTINNRAYCHYDGGDCSSSTLSSKKVIPFAADCIDLECTCRDPKABENO 1558
Db 1734 EPPQADGWCDTINNRAYCHYDGGDCSSSTLSSKKVIPFAADCIDLECTCRDPKABENO 1791

RESULT 2
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORE-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3

Query Match 83.6%; Score 1303; DB 3; Length 1791;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 SPPEESNONGEGSYREAEFTFNSQVGLPILYFSGRRERLLLRPEVLAEIPREAFVTEAWV 60
Db 234 SPPEESNONGEGSYREAEFTFNSQVGLPILYFSGRRERLLLRPEVLAEIPREAFVTEAWV 293
QY 61 KPEGGONNPALIIAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFFSLCTDRVKKATIL 120
Db 294 KPEGGONNPALIIAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFFSLCTDRVKKATIL 353
QY 121 ISHSRYQPGTWHVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDDSS 180
Db 354 ISHSRYQPGTWHVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDDSS 413
QY 181 EDGHYFRGHLGTLVFWSTALPOSHFOHSSQHSQSGEEAATDLVLTASFEPVNTIEWVPRDE 240

Db	414	EDGHYFRGHLGTLVFWSTALPQSHFQHSQS	473
Qy	241	KYPRLEVLQGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPLRGEKVIRYQVNNIC	300
Db	474	KYPRLEVLQGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPLRGEKVIRYQVNNIC	533
Qy	301	DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN	360
Db	534	DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN	593
Qy	361	DHCDPECEHPLTGYDGGDCRLQGRCYSWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR	420
Db	594	DHCDPECEHPLTGYDGGDCRLQGRCYSWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR	653
Qy	421	KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLG	480
Db	654	KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLG	713
Qy	481	GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD	540
Db	714	GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD	773
Qy	541	TAPTPKSELCREPEPTSDTCGFTFRPGAFPTNYMSYTDNCTDNFTPNQVARMHCYLDLV	600
Db	774	TAPTPKSELCREPEPTSDTCGFTFRPGAFPTNYMSYTDNCTDNFTPNQVARMHCYLDLV	833
Qy	601	YQQWTESRKPTPIPIPPMVIQGTNKSLLTIHMLPRISGVVYDRASGLCGACTEDGTFRQY	660
Db	834	YQQWTESRKPTPIPIPPMVIQGTNKSLLTIHMLPRISGVVYDRASGLCGACTEDGTFRQY	893
Qy	661	VHTASSRVCDSGMYTPBEAVGPRVDQCEPSLQAWSPEVHLYHNMNTVPCPTEGCSL	720
Db	894	VHTASSRVCDSGMYTPBEAVGPRVDQCEPSLQAWSPEVHLYHNMNTVPCPTEGCSL	953
Qy	721	ELLFQHPVQADTLTLWMTSFFMESSQVLFDETEILLENKESVHLGPIDTFCDIPLTIKLHV	780
Db	954	ELLFQHPVQADTLTLWMTSFFMESSQVLFDETEILLENKESVHLGPIDTFCDIPLTIKLHV	1013
Qy	781	DGKVSQVYVTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	840
Db	1014	DGKVSQVYVTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	1073
Qy	841	RKFTDVEYTPGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKYSERLGEBCDDGDL	900
Db	1074	RKFTDVEYTPGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKYSERLGEBCDDGDL	1133
Qy	901	VSGDGSKYCELEEGFNCVGEPSLCMYEGDGICEPERKTSIVDCGIYTPKGYLDQWAT	960
Db	1134	VSGDGSKYCELEEGFNCVGEPSLCMYEGDGICEPERKTSIVDCGIYTPKGYLDQWAT	1193
Qy	961	RAYSSHEDKKCPVSLVTGEPSHSLCTSYPHDLPNHRPLTGWFPVASENETQDDRSEOP	1020
Db	1194	RAYSSHEDKKCPVSLVTGEPSHSLCTSYPHDLPNHRPLTGWFPVASENETQDDRSEOP	1253
Qy	1021	EGSLKKEDEVWLKVCFNRPGEARAFIFLTLTDGLVPGEHQPYVTLYLTVDVRSNHSLG	1080
Db	1254	EGSLKKEDEVWLKVCFNRPGEARAFIFLTLTDGLVPGEHQPYVTLYLTVDVRSNHSLG	1313
Qy	1081	YGLSCQHNPLINVTQHONVLFHHTSVLLNFSSPRVGISAVALTSSRIGLSAPSNICIS	1140
Db	1314	YGLSCQHNPLINVTQHONVLFHHTSVLLNFSSPRVGISAVALTSSRIGLSAPSNICIS	1373
Qy	1141	EDEGQNHQGSICHRPCGKODSCPSLLLDHADVNCTSIGPLMKCAITCQGFALQASS	1200
Db	1374	EDEGQNHQGSICHRPCGKODSCPSLLLDHADVNCTSIGPLMKCAITCQGFALQASS	1433
Qy	1201	GQYTRPMQKEILLTSSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC	1260
Db	1434	GQYTRPMQKEILLTSSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC	1493
Qy	1261	VPPAKLOGLSFWLTCLEBDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHVDGTICK	1320

Db	1494	VPPAKLOGLSFWLTCLEBDGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHVDGTICK	1553
Qy	1321	YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVCEPPRPVFEQMYECTNGFS	1380
Db	1554	YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVCEPPRPVFEQMYECTNGFS	1613
Qy	1381	LDSQCVLNCNOERREKLPICTKEGLMTQEFKLCENLOGECPRPSELNSVEYKCEQGYGI	1440
Db	1614	LDSQCVLNCNOERREKLPICTKEGLMTQEFKLCENLOGECPRPSELNSVEYKCEQGYGI	1673
Qy	1441	GAVCSPLCVIPPSDPVMLPENITADTLEHWMPEVKVQSVICTGRQWHPDPVLVHCIOGC	1500
Db	1674	GAVCSPLCVIPPSDPVMLPENITADTLEHWMPEVKVQSVICTGRQWHPDPVLVHCIOGC	1733
Qy	1501	EPFQA 1505	
Db	1734	EPFQA 1738	
RESULT 3			
US-10-675-685-3			
; Sequence 3, Application US/10675685			
; Publication No. US20040063134A1			
; GENERAL INFORMATION:			
; APPLICANT: Gu, Yizhong			
; APPLICANT: Shannon, Mark			
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E			
; FILE REFERENCE: PB0114			
; CURRENT APPLICATION NUMBER: US/10/675, 685			
; PRIOR FILING DATE: 2003-09-30			
; PRIOR APPLICATION NUMBER: US 60/207, 456			
; PRIOR FILING DATE: 2000-05-26			
; PRIOR APPLICATION NUMBER: US 60/236, 359			
; PRIOR FILING DATE: 2000-09-27			
; NUMBER OF SEQ ID NOS: 1881			
; SOFTWARE: Aecm1ca Sequence Listing Engine			
; SEQ ID NO 3			
; LENGTH: 1791			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-675-685-3			
Query Match 83.6%; Score 1303; DB 4; Length 1791;			
Best Local Similarity 99.9%; Pred. No. 0;			
Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;			
Qy	1	SPPEESNQNGEGSYREAEFTNSQVGLPILYFGGRERLLRPEVLAEIPREAFVTEAMV	60
Db	234	SPPEESNQNGEGSYREAEFTNSQVGLPILYFGGRERLLRPEVLAEIPREAFVTEAMV	293
Qy	61	KPEGQNPALIIAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFSLCTDRVKATIL	120
Db	294	KPEGQNPALIIAGVFDNCSHTVSDKGWALGIRSGDKGRDARFFSLCTDRVKATIL	353
Qy	121	ISHSRYPQGTWTHVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMASCRLILGDS	180
Db	354	ISHSRYPQGTWTHVAATYDGRHMALYVDGTQVASSLDQSGPLNSPFMASCRLILGDS	413
Qy	181	EDGHYFRGHLGTLVFWSTALPQSHFQHSQS	240
Db	414	EDGHYFRGHLGTLVFWSTALPQSHFQHSQS	473
Qy	241	KYPRLEVLQGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPLRGEKVIRYQVNNIC	300
Db	474	KYPRLEVLQGFEPEPEILSPLOPPLCGQTYCDNVELISQYNGYWPLRGEKVIRYQVNNIC	533
Qy	301	DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN	360
Db	534	DDEGLNPVISEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKIGN	593
Qy	361	DHCDPECEHPLTGYDGGDCRLQGRCYSWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR	420
Db	594	DHCDPECEHPLTGYDGGDCRLQGRCYSWNRRDGLCHVECNMMLNDFDGDCCDPQVADVR	653

QY 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWPDKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWPDKDAVTHLG 713
QY 481 GIVLSPAYYGMPGHTDTMIHEVGHVLGLYHVKGVSERESCNDPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMPGHTDTMIHEVGHVLGLYHVKGVSERESCNDPCKETVPSMETGDLCAD 773
QY 541 TAPTPKSELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTRQY 660
Db 834 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTRQY 893
QY 661 VHTASSRRVCDSSSGYWTPEBAVGPDPVDQPCPSLQAWSPEVHLYHMMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSSGYWTPEBAVGPDPVDQPCPSLQAWSPEVHLYHMMNTVPCPTGCSL 953
QY 721 ELLFQHPVQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTECDIPLTIKLAHV 780
Db 954 ELLFQHPVQADTLTLWVTSFFMESSQVLFDTIELLENKESVHLGPLDTECDIPLTIKLAHV 1013
QY 781 DGKVSQVYTFEDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVTHSH 840
Db 1014 DGKVSQVYTFEDERIEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVTHSH 1073
QY 841 RKFTDVEVTPGQMYQYQVLAEBAGGELGEASPPLNHIHGAPYCGDGKVSERLGEBCDDGDL 900
Db 1074 RKFTDVEVTPGQMYQYQVLAEBAGGELGEASPPLNHIHGAPYCGDGKVSERLGEBCDDGDL 1133
QY 901 VSGDGCSKVCELEBGFNCVGEPSLCYMEEGDICEPFEKRTSIVDCGIYTPKGYLDQWAT 960
Db 1134 VSGDGCSKVCELEBGFNCVGEPSLCYMEEGDICEPFEKRTSIVDCGIYTPKGYLDQWAT 1193
QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHBDLPNHRPLTGWFPVASENETQDDRSEQP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHBDLPNHRPLTGWFPVASENETQDDRSEQP 1253
QY 1021 EGS1KKEDEVWLKVCFNRPGEARAFIFILTTDGLVPGEHQPTVTLVLTDVGRSNHSLGT 1080
Db 1254 EGS1KKEDEVWLKVCFNRPGEARAFIFILTTDGLVPGEHQPTVTLVLTDVGRSNHSLGT 1313
QY 1081 YG1SCQHNPLINVTQHQNVLFHHTTSVLNFFSSPRVGISAVALRTSSRIGLSAPSNICIS 1140
Db 1314 YG1SCQHNPLINVTQHQNVLFHHTTSVLNFFSSPRVGISAVALRTSSRIGLSAPSNICIS 1373
QY 1141 EDEGQNHQGSICHRPCGKODSCPSLLDHADVNTCSIGPGLMKCAITCQRGFALQASS 1200
Db 1374 EDEGQNHQGSICHRPCGKODSCPSLLDHADVNTCSIGPGLMKCAITCQRGFALQASS 1433
QY 1201 GQYIRPMQKEILLTSSSGHWDQNVSCLPVDCGVPDPSSLVNYANFSCSEGTFLKRCISISC 1260
Db 1434 GQYIRPMQKEILLTSSSGHWDQNVSCLPVDCGVPDPSSLVNYANFSCSEGTFLKRCISISC 1493
QY 1261 VPPAKLQGLSPWLTLLEDGLWSLPEVYCKLECDAPRIILANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLQGLSPWLTLLEDGLWSLPEVYCKLECDAPRIILANLLPHCLQDNHDVGTICK 1553
QY 1321 YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQGSICIPVCEPFPVPFEGMYECTNGFS 1380
Db 1554 YECKPGYYVAESAEGKVRNKLKIQCLEGGIWEQGSICIPVCEPFPVPFEGMYECTNGFS 1613
QY 1381 LDSQCVLNCQEREKLPILCTKEGLWTQERLCENLQEGCPRPPSELNSVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCQEREKLPILCTKEGLWTQERLCENLQEGCPRPPSELNSVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIPSPDFVMLPENITADTLEHNMWEPVKQSI VCTGRQWHPDVLVHCIOQC 1500
Db 1674 GAVCSPLCVIPSPDFVMLPENITADTLEHNMWEPVKQSI VCTGRQWHPDVLVHCIOQC 1733

QY 1501 EPFOA 1505
Db 1734 EPFOA 1738

RESULT 4
US-09-827-998-10
; Sequence 10, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMR-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-10

Query Match 83.4%; Score 1299; DB 3; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPEESNONGEGSYREAEFTNSQVGLPILYSGRERLLRPEYLAIRPRAFTVEAWV 60
Db 234 SPEESNONGEGSYREAEFTNSQVGLPILYSGRERLLRPEYLAIRPRAFTVEAWV 293
QY 61 KPEGQNNPAIIAGVFDNCSTHVSXKGMALGIRSGDKGKRDAFFPSLCTDRVKATIL 120
Db 294 KPEGQNNPAIIAGVFDNCSTHVSXKGMALGIRSGDKGKRDAFFPSLCTDRVKATIL 353
QY 121 ISHSRYQGTWTHVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDDS 180
Db 354 ISHSRYQGTWTHVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDDS 413
QY 181 EDGHYFRHLGTLVFWSTALPQSHQSSQSSSGEEBEATDLVLTASFEPVNTWVPFRDE 240
Db 414 EDGHYFRHLGTLVFWSTALPQSHQSSQSSSGEEBEATDLVLTASFEPVNTWVPFRDE 473
QY 241 KYPRLEVLOGFEPEPEILSPLQRPLOGQVCDNVELISQYNGVWPLRGEKVIRYQVNNIC 300
Db 474 KYPRLEVLOGFEPEPEILSPLQRPLOGQVCDNVELISQYNGVWPLRGEKVIRYQVNNIC 533
QY 301 DDEGLNPVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHVLLVNCEPSKIGN 360
Db 534 DDEGLNPVSEEQIRLOHEALNEAFSRYNISWQLSVHQVHNSTLRHVLLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGDGCRLOGRCYSWNRDGLCHVECNMMLNDFDDGDCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGDGCRLOGRCYSWNRDGLCHVECNMMLNDFDDGDCDPQVADVR 653
QY 421 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWPDKDAVTHLG 480
Db 654 KTCFDPDSPKRAYMSVKELKEALQLNSTHFLNITYFASSVREDLAGAATWPDKDAVTHLG 713
QY 481 GIVLSPAYYGMPGHTDTMIHEVGHVLGLYHVKGVSERESCNDPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMPGHTDTMIHEVGHVLGLYHVKGVSERESCNDPCKETVPSMETGDLCAD 773
QY 541 TAPTPKSELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELCREPEPTSDTCGTRFPGARFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTRQY 660

Db	834	YQQWTERRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY	893
QY	661	VHTASSRRVCDSSSGYWTPEEAVGPPVDQPCPEPSLQAWSPEVHLVHMNTVPCPTGCSL	720
Db	894	VHTASSRRVCDSSSGYWTPEEAVGPPVDQPCPEPSLQAWSPEVHLVHMNTVPCPTGCSL	953
QY	721	ELLFQHPVQADTLTLMTWSFFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVH	780
Db	954	ELLFQHPVQADTLTLMTWSFFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVH	1013
QY	781	DGKVGSKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	840
Db	1014	DGKVGSKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	1073
QY	841	RKFTDVEVTPGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGDL	900
Db	1074	RKFTDVEVTPGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGDL	1133
QY	901	VSGDGSKVCELEEGFNCVGEPSLCYMYEGDGCICEFERKTSIVDCGIYTPKGYLDQWAT	960
Db	1134	VSGDGSKVCELEEGFNCVGEPSLCYMYEGDGCICEFERKTSIVDCGIYTPKGYLDQWAT	1193
QY	961	RAYSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWPCVASENETQDDRSEOP	1020
Db	1194	RAYSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWPCVASENETQDDRSEOP	1253
QY	1021	BGSLKKEDEVWLKVCFNRPGEARAFIFLTTDGLVPGEHQOPTVTLVLTVDVRSNHSLSGT	1080
Db	1254	BGSLKKEDEVWLKVCFNRPGEARAFIFLTTDGLVPGEHQOPTVTLVLTVDVRSNHSLSGT	1313
QY	1081	YGLSCQHNPLIINVTHQNVLFHHTSVLNFSSPRVGISAVALRTSSRIGLSAPSNCS	1140
Db	1314	YGLSCQHNPLIINVTHQNVLFHHTSVLNFSSPRVGISAVALRTSSRIGLSAPSNCS	1373
QY	1141	EDEGQNHQGOSCIHRPCGKODSCPSLLDHADVNTSIGPGLMKCAITCQRFALQASS	1200
Db	1374	EDEGQNHQGOSCIHRPCGKODSCPSLLDHADVNTSIGPGLMKCAITCQRFALQASS	1433
QY	1201	GQYIRPMQKEILLTSCSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC	1260
Db	1434	GQYIRPMQKEILLTSCSSGHWQNVSCLPVDCGVPDPSLVNRYANFSCSEGTKFLKRCISIC	1493
QY	1261	VPPAKLOGSPWLTCLEDELWSLPEVYCKLECDAPRIILNANILLPHCLQDNHVDGTICK	1320
Db	1494	VPPAKLOGSPWLTCLEDELWSLPEVYCKLECDAPRIILNANILLPHCLQDNHVDGTICK	1553
QY	1321	YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPRPPVFEGBMYECTNGFS	1380
Db	1554	YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSCIPVYCEPRPPVFEGBMYECTNGFS	1613
QY	1381	LDSQCVLNCNQBREKLPILCTKEGLWQEFKLCENLQGECPRPSELSNVEYKCEQGYGI	1440
Db	1614	LDSQCVLNCNQBREKLPILCTKEGLWQEFKLCENLQGECPRPSELSNVEYKCEQGYGI	1673
QY	1441	GAVCSPLCVIPSPDPVMLPENITADLEHMEPVKVQISVCTGRQWHPDVLVHCIOQC	1500
Db	1674	GAVCSPLCVIPSPDPVMLPENITADLEHMEPVKVQISVCTGRQWHPDVLVHCIOQC	1733
QY	1501	E 1501	
Db	1734	E 1734	

RESULT 5
US-10-675-685-10
; Sequence 10, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114

;
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-10

Query Match 83.4%; Score 1299; DB 4; length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	1	SPPEESNQNGEGSYREAETFNQVGLPILYFSGRRELLRPEVLAEIPREAFTVEAMV	60
Db	234	SPPEESNQNGEGSYREAETFNQVGLPILYFSGRRELLRPEVLAEIPREAFTVEAMV	293
QY	61	KPEGQNNPAILIAGVFQNCSTHTVSDKGWALGIRSGKDKRDARFFFSLCTDRVKKATIL	120
Db	294	KPEGQNNPAILIAGVFQNCSTHTVSDKGWALGIRSGKDKRDARFFFSLCTDRVKKATIL	353
QY	121	ISHSRYPQGTWTHVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLGDS	180
Db	354	ISHSRYPQGTWTHVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLGDS	413
QY	181	EDGHYFRGHLGTLVFWSTALPQSHFQSSQHSSEBEATDLVLTASFEPVNTIEWPRDE	240
Db	414	EDGHYFRGHLGTLVFWSTALPQSHFQSSQHSSEBEATDLVLTASFEPVNTIEWPRDE	473
QY	241	KYPRLEVLQGFEPPEILSPLOPPLCGQTVCDNVELISQYNGYWPRLGEKVIRYQVNNIC	300
Db	474	KYPRLEVLQGFEPPEILSPLOPPLCGQTVCDNVELISQYNGYWPRLGEKVIRYQVNNIC	533
QY	301	DDEGLNPIVSEEQIRLOHEALNEAFSRYNISWQLSVQVHNSTLRHRVVLVNCPEPSKIGN	360
Db	534	DDEGLNPIVSEEQIRLOHEALNEAFSRYNISWQLSVQVHNSTLRHRVVLVNCPEPSKIGN	593
QY	361	DHCDPECEHPLTGYDGDGCRLOGRCYSWNRDGLCHVECNMMLNDFDDGCCDPQVADVR	420
Db	594	DHCDPECEHPLTGYDGDGCRLOGRCYSWNRDGLCHVECNMMLNDFDDGCCDPQVADVR	653
QY	421	KTCFDPDSPKRAYMSVKELREALQLNSTHFLNIFYASSVREDLAGAATWPMWDXAVTHUG	480
Db	654	KTCFDPDSPKRAYMSVKELREALQLNSTHFLNIFYASSVREDLAGAATWPMWDXAVTHUG	713
QY	481	GIVLSPAYYGMPGHTDTHIEVGHVLGLYHVFKVSERESNDPCKETVPSETGDI CAD	540
Db	714	GIVLSPAYYGMPGHTDTHIEVGHVLGLYHVFKVSERESNDPCKETVPSETGDI CAD	773
QY	541	TAPTPKSELCREPEPTSDTCGFTRPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV	600
Db	774	TAPTPKSELCREPEPTSDTCGFTRPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV	833
QY	601	YQQWTERRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY	660
Db	834	YQQWTERRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGSLCGACTEDGTFRQY	893
QY	661	VHTASSRRVCDSSSGYWTPEEAVGPPVDQPCPEPSLQAWSPEVHLVHMNTVPCPTGCSL	720
Db	894	VHTASSRRVCDSSSGYWTPEEAVGPPVDQPCPEPSLQAWSPEVHLVHMNTVPCPTGCSL	953
QY	721	ELLFQHPVQADTLTLMTWSFFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVH	780
Db	954	ELLFQHPVQADTLTLMTWSFFEMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLVH	1013
QY	781	DGKVGSKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	840
Db	1014	DGKVGSKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVVTSH	1073

QY 841 RKFTDVEVTGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGD 900
Db 1074 RKFTDVEVTGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGD 1133
QY 901 VSGDGCSKVCELEEGFNVCVGPSPSLCYMEGDGICEPFERKTSIVDCGIYTPKGYLDQWAT 960
Db 1134 VSGDGCSKVCELEEGFNVCVGPSPSLCYMEGDGICEPFERKTSIVDCGIYTPKGYLDQWAT 1193
QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEOP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEOP 1253
QY 1021 EGS�KKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQOPTVTLYLTDVSGNSHSLGT 1080
Db 1254 EGS�KKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQOPTVTLYLTDVSGNSHSLGT 1313
QY 1081 YGLSCQHNPLIINVTTHQNVLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCIS 1140
Db 1314 YGLSCQHNPLIINVTTHQNVLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCIS 1373
QY 1141 EDEGQNHQGSCTHRPCGKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQRGFALQASS 1200
Db 1374 EDEGQNHQGSCTHRPCGKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQRGFALQASS 1433
QY 1201 GQYIRPMQKEILLTCSSGHWQDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCISISC 1260
Db 1434 GQYIRPMQKEILLTCSSGHWQDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCISISC 1493
QY 1261 VPBAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVGTICK 1320
Db 1494 VPBAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVGTICK 1553
QY 1321 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPBPVPVFEGMYEECTNGFS 1380
Db 1554 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPBPVPVFEGMYEECTNGFS 1613
QY 1381 LDSQCVLNCQERREKLPILCTKEGLWTOEFKLCENLQGECPPPPSSELSVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCQERREKLPILCTKEGLWTOEFKLCENLQGECPPPPSSELSVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIPSPDPVMLPENITADTLEHMMEPVKQSVICTGRQWHPDPVLVHCIOQC 1500
Db 1674 GAVCSPLCVIPSPDPVMLPENITADTLEHMMEPVKQSVICTGRQWHPDPVLVHCIOQC 1733
QY 1501 E 1501
Db 1734 E 1734

RESULT 6
US-09-827-998-16
; Sequence 16, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu; Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMRF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-16

Query Match 36.8%; Score 574; DB 3; Length 1385;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 480 GGIVLSPAYYGMGHDTMTIHEVGHVGLYHVFKGVSERESRSCNDPCKEYVPSMETGDLCA 539
Db 307 GGIVLSPAYYGMGHDTMTIHEVGHVGLYHVFKGVSERESRSCNDPCKEYVPSMETGDLCA 366
QY 540 DTAPTPKSELCREPEPTSDTCGFTRPFGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDL 599
Db 367 DTAPTPKSELCREPEPTSDTCGFTRPFGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDL 426
QY 600 VYQQWTESRKPTPIPIPPMVIQGTNKSILTIHMLPPISGVVYDRASGSLCGACTEDGTFRQ 659
Db 427 VYQQWTESRKPTPIPIPPMVIQGTNKSILTIHMLPPISGVVYDRASGSLCGACTEDGTFRQ 486
QY 660 YVHTASSRRVCDSSGYWTPBEAVGPPVDQPCBPSLQAWSPEVHLYHNMNTVPCPTGCS 719
Db 487 YVHTASSRRVCDSSGYWTPBEAVGPPVDQPCBPSLQAWSPEVHLYHNMNTVPCPTGCS 546
QY 720 LELLFQHPVQADTLTLMTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLH 779
Db 547 LELLFQHPVQADTLTLMTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKLH 606
QY 780 VDGKVSQVAVYTFDERIEIDALITSQPHSPLCSGCRPVRQYLRDPPFASGLPVVTHS 839
Db 607 VDGKVSQVAVYTFDERIEIDALITSQPHSPLCSGCRPVRQYLRDPPFASGLPVVTHS 666
QY 840 HRKFTDVEVTGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGD 899
Db 667 HRKFTDVEVTGQMYQYQVLAELAGGELGEASPLNHIHGAPYCGDGKVSERLGECDGD 726
QY 900 LVSGDGCSKVCELEEGFNVCVGPSPSLCYMEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 959
Db 727 LVSGDGCSKVCELEEGFNVCVGPSPSLCYMEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 786
QY 960 TRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEQ 1019
Db 787 TRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGMFPCVASENETQDDRSEQ 846
QY 1020 PEGSLKKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQOPTVTLYLTDVSGNSHSLG 1079
Db 847 PEGSLKKEDEWMLKVCENRPGEARAIFILTTDGLVGEHQOPTVTLYLTDVSGNSHSLG 906
QY 1080 TYGLSCQHNPLIINVTTHQNVLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCI 1139
Db 907 TYGLSCQHNPLIINVTTHQNVLFHHTSVLNFSSPRVGISAVALTSSRIGLSAPSNCI 966
QY 1140 SEDEGQNHQGSCTHRPCGKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQRGFALQAS 1199
Db 967 SEDEGQNHQGSCTHRPCGKQDSCPSLLLDHADVNVCTSIGPGLMCAITCQRGFALQAS 1026
QY 1200 SGQYIRPMQKEILLTCSSGHWQDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCISIS 1259
Db 1027 SGQYIRPMQKEILLTCSSGHWQDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCISIS 1086
QY 1260 CVPPAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVGTIC 1319
Db 1087 CVPPAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVGTIC 1146
QY 1320 KYECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPBPVPVFEGMYEECTNGF 1379
Db 1147 KYECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPBPVPVFEGMYEECTNGF 1206
QY 1380 SLDSQCVLNCQERREKLPILCTKEGLWTOEFKLCENLQGECPPPPSSELSVEYKCEQGYG 1439
Db 1207 SLDSQCVLNCQERREKLPILCTKEGLWTOEFKLCENLQGECPPPPSSELSVEYKCEQGYG 1266
QY 1440 IGAVCSPLCVIPSPDPVMLPENITADTLEHMMEPVKQSVICTGRQWHPDPVLVHCIOQC 1499
Db 1267 IGAVCSPLCVIPSPDPVMLPENITADTLEHMMEPVKQSVICTGRQWHPDPVLVHCIOQC 1326
QY 1500 CEPQADGWCDTINNRAYCHYDGDCCSSTLSSKKVIPPAADCDLDECTCRDPKAENQ 1558

Db 1327 CEPFQADGWCDTINNRAYCHYDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1385

RESULT 7

US-10-675-685-16

; Sequence 16, Application US/10675685

; Publication No. US20040063134A1

; GENERAL INFORMATION:

; APPLICANT: Gu, Yizhong

; APPLICANT: Shannon, Mark

; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

; FILE REFERENCE: PB0114

; CURRENT APPLICATION NUMBER: US/10/675,685

; CURRENT FILING DATE: 2003-09-30

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; NUMBER OF SEQ ID NOS: 1881

; SOFTWARE: Aeomica Sequence Listing Engine

; SEQ ID NO 16

; LENGTH: 1385

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-675-685-16

Query Match 36.8%; Score 574; DB 4; Length 1385;

Best Local Similarity 99.5%; Pred. No. 0;

Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 480 GGIVLSPAYYGMPGHTDTMIHEVHVLGLYHVFKVSERESCNDCKETVPSMETGDLCA 539

Db 307 GGIVLSPAYYGMPGHTDTMIHEVHVLGLYHVFKVSERESCNDCKETVPSMETGDLCA 366

QY 540 DTAPTKSELCREPEPTSDTCGFTFPGAPFTNYSYTDNCTNFTPNQVARMHCYLDL 599

Db 367 DTAPTKSELCREPEPTSDTCGFTFPGAPFTNYSYTDNCTNFTPNQVARMHCYLDL 426

QY 600 VYQQTESRKPTPIPIPMVIGQTNSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQ 659

Db 427 VYQQTESRKPTPIPIPMVIGQTNSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQ 486

QY 660 YVHTASSRRVCDSSGYWTPEEAVGPPVDQPCPSLQAWSPEVHLYHMMNTVPCPTGCGS 719

Db 487 YVHTASSRRVCDSSGYWTPEEAVGPPVDQPCPSLQAWSPEVHLYHMMNTVPCPTGCGS 546

QY 720 LELLFQHPVQADTLTLVWTSFFMESQVLFDTIELLENKESVHLGPLDTFCDIPLTIKHL 779

Db 547 LELLFQHPVQADTLTLVWTSFFMESQVLFDTIELLENKESVHLGPLDTFCDIPLTIKHL 606

QY 780 VDGKVSQVYVTFDERIEIDAALLTSQHSPLCSGCRPVRYQVLRDPPFASGLPVVWTHS 839

Db 607 VDGKVSQVYVTFDERIEIDAALLTSQHSPLCSGCRPVRYQVLRDPPFASGLPVVWTHS 666

QY 840 HRKFTDVEVTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGD 899

Db 667 HRKFTDVEVTPGQMYQYVLAEAGGELGEASPLNHIHGAPYCGDGKVSERLGEBCDDGD 726

QY 900 LVSGDGSKVCELEEGFNCVGEPSLCTMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 959

Db 727 LVSGDGSKVCELEEGFNCVGEPSLCTMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 786

QY 960 TRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFPVASENETQDDRSEQ 1019

Db 787 TRAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFPVASENETQDDRSEQ 846

QY 1020 PEGSLKKEDEVMWLKVCFNRPGEARAFIPLTTDGLVPGEHQPTVTLTLTVRGSNHSILG 1079

Db 847 PEGSLKKEDEVMWLKVCFNRPGEARAFIPLTTDGLVPGEHQPTVTLTLTVRGSNHSILG 906

QY 1080 TYGLSCQHNPLIINTVTHQNVLFHHTTSVLNFSSPRVGISAVALRTSSRIGLSAPSNCI 1139

Db 907 TYGLSCQHNPLIINTVTHQNVLFHHTTSVLNFSSPRVGISAVALRTSSRIGLSAPSNCI 966

QY 1140 SEDEGQNHQGQSCIRHPCGKODSCPSLLLDHADVNVNCTSIGPLMKCAITCORGFALOAS 1199

Db 967 SEDEGQNHQGQSCIRHPCGKODSCPSLLLDHADVNVNCTSIGPLMKCAITCORGFALOAS 1026

QY 1200 SGQYIRPMQKEILLTCSGGHNDQNSCLPVDGCVDPDSL VNYANFSCSEGTKFLKRCIS 1259

Db 1027 SGQYIRLMQKEILLTCSGGHNDQNSCLPVDGCVDPDSL VNYANFSCSEGTKFLKRCIS 1086

QY 1260 CVPPAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTIC 1319

Db 1087 CVPPAKLQGLSPWLTCLLEDGLMSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTIC 1146

QY 1320 KYECKPQYVVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPPPVFEGMYECTNGF 1379

Db 1147 KYECKPQYVVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPPPVFEGMYECTNGF 1206

QY 1380 SLDSQCVLNCNOERKLPILCTKEGLMTQEFKLCENIQEGCPPPSELNSVEYKCEQYIG 1439

Db 1207 SLDSQCVLNCNOERKLPILCTKEGLMTQEFKLCENIQEGCPPPSELNSVEYKCEQYIG 1266

QY 1440 IGAVCSPLCVIPPSDPVMLPENITADTLEHMMEPVQSVICTGRQWHPDPVLVHCIOG 1499

Db 1267 IGAVCSPLCVIPPSDPVMLPENITADTLEHMMEPVQSVICTGRQWHPDPVLVHCIOG 1326

QY 1500 CEPFQADGWCDTINNRAYCHYDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1558

Db 1327 CEPFQADGWCDTINNRAYCHYDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ 1385

RESULT 8

US-09-864-761-34265

; Sequence 34265, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aeomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30


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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34265
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031734.9
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 44
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.6
; OTHER INFORMATION: EST_HUMAN HIT: AUI40701.1, EVALUE 2.00e-53
; OTHER INFORMATION: SWISSPROT HIT: P07207, EVALUE 3.00e-04
US-09-864-761-34265
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Query Match      12.3%; Score 192; DB 3; Length 192;
Best Local Similarity 100.0%; Pred. No. 1.2e-180;
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      239 DEKYPRLEVLQGFEPETILSPLOPLCGQTVCDNYELISQYNGYWPRLRGEYIRYQVNN 298
      1 DEKYPRLEVLQGFEPETILSPLOPLCGQTVCDNYELISQYNGYWPRLRGEYIRYQVNN 60
Db      61 ICDDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKI 120
QY      299 ICDDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKI 358
      61 ICDDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCPEPSKI 120
Db      359 GNDHCDPECEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVAD 418
      121 GNDHCDPECEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVAD 180
QY      419 VRKTCFDPDSPK 430
      181 VRKTCFDPDSPK 192
Db
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RESULT 9
US-09-864-761-34264
; Sequence 34264, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
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; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34264
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031734.9
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 44
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.6
; OTHER INFORMATION: SWISSPROT HIT: P28977, EVALUE 1.60e+00
; OTHER INFORMATION: EST_HUMAN HIT: BF366974.1, EVALUE 4.00e-36
US-09-864-761-34264
```

```
Query Match      4.5%; Score 70; DB 3; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e-60;
Matches 70; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      75 VFDNCSTVSDKGWALGIRSGKDKGRDARFFFSLCTDRVKKATILISHSRYPGTWTHV 134
      1 VFDNCSTVSDKGWALGIRSGKDKGRDARFFFSLCTDRVKKATILISHSRYPGTWTHV 60
Db      135 AATYDGRHMA 144
      61 AATYDGRHMA 70
Db
```

```
RESULT 10
US-09-864-761-34262
; Sequence 34262, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
```



```

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34262
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031734.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.87
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 74
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.84
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.82
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.9
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.79
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1
; OTHER INFORMATION: EST_HUMAN HIT: A1075970.1, EVALUE 7.00e-03
US-09-864-761-34262
```

Query Match 4.0%; Score 63; DB 3; Length 63;
Best Local Similarity 100.0%; Pred. No. 1.7e-53;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 11 GEGSYREATFNSQVGLPILYFSGRRERLLRPEVLAIPREAFVTEAWVKPEGGONPA 70
    |||
DB 1 GEGSYREATFNSQVGLPILYFSGRRERLLRPEVLAIPREAFVTEAWVKPEGGONPA 60

OY 71 IIA 73
    |||
DB 61 IIA 63
```

```

RESULT 11
US-10-741-600-1402
; Sequence 1402, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1402
; LENGTH: 704
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1402
```

Query Match 1.2%; Score 18; DB 5; Length 704;
Best Local Similarity 100.0%; Pred. No. 4.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 585 FTPNOVARMHCYLDLVYQ 602
    |||
DB 440 FTPNOVARMHCYLDLVYQ 457
```

```

RESULT 12
US-10-334-143-85
; Sequence 85, Application US/10334143
; Publication No. US20040009549A1
; GENERAL INFORMATION:
; APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
; FILE REFERENCE: 038602/1543
; CURRENT APPLICATION NUMBER: US/10/334,143
; CURRENT FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: 60/343,169
; PRIOR FILING DATE: 2001-12-31
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 85
; LENGTH: 858
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-334-143-85
```

Query Match 1.2%; Score 18; DB 4; Length 858;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 585 FTPNOVARMHCYLDLVYQ 602
    |||
DB 594 FTPNOVARMHCYLDLVYQ 611
```

```

RESULT 13
US-10-741-600-1404
; Sequence 1404, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
```

; SEQ ID NO 1404
; LENGTH: 1232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1404

Query Match 1.2%; Score 18; DB 5; Length 1232;
Best Local Similarity 100.0%; Pred. No. 7.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGYLDLVYQ 602
|||||
Db 440 FTPNOVARMHGYLDLVYQ 457

RESULT 14
US-10-741-600-1403

; Sequence 1403, Application US/10741600
; Publication No. US20050026169A1

; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 1403
; LENGTH: 1420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1403

Query Match 1.2%; Score 18; DB 5; Length 1420;
Best Local Similarity 100.0%; Pred. No. 8.8e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGYLDLVYQ 602
|||||
Db 440 FTPNOVARMHGYLDLVYQ 457

RESULT 15

US-10-741-600-1405
; Sequence 1405, Application US/10741600
; Publication No. US20050026169A1

; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 1405
; LENGTH: 1420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1405

Query Match 1.2%; Score 18; DB 5; Length 1420;
Best Local Similarity 100.0%; Pred. No. 8.8e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGYLDLVYQ 602
|||||
Db 440 FTPNOVARMHGYLDLVYQ 457

RESULT 16
US-10-783-311-2

; Sequence 2, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:

; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2

Query Match 1.2%; Score 18; DB 5; Length 1547;
Best Local Similarity 100.0%; Pred. No. 9.5e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGYLDLVYQ 602
|||||
Db 567 FTPNOVARMHGYLDLVYQ 584

RESULT 17
US-09-983-025-25

; Sequence 25, Application US/09983025
; Publication No. US20030124529A1

; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGAARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG-1A
; CURRENT APPLICATION NUMBER: US/09/983,025
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/241,840
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: DK PA 2000 01571
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentn version 3.1
; SEQ ID NO 25
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-025-25

Query Match 1.2%; Score 18; DB 3; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGYLDLVYQ 602
|||||
Db 647 FTPNOVARMHGYLDLVYQ 664

RESULT 18
US-10-295-027-663

; Sequence 663, Application US/10295027
; Publication No. US20030232350A1

; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Glsh, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard

```

; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 663
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-663
```

```

Query Match      1.2%; Score 18; DB 4; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
Db      647 FTPNQVARMHCYLDLVYQ 664
```

```

RESULT 19
US-10-783-311-1
; Sequence 1, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; CURRENT FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-1
```

```

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
Db      647 FTPNQVARMHCYLDLVYQ 664
```

```

RESULT 20
US-10-741-600-1406
; Sequence 1406, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1406
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1406
```

```

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
Db      647 FTPNQVARMHCYLDLVYQ 664
```

```

RESULT 21
US-10-991-321-32
; Sequence 32, Application US/10991321
; Publication No. US20050112675A1
; GENERAL INFORMATION:
; APPLICANT: Kochen, Jarema Peter
; APPLICANT: Rosinski, James Andrew
; TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
; FILE REFERENCE: 21742 US1
; CURRENT APPLICATION NUMBER: US/10/991,321
; CURRENT FILING DATE: 2004-11-17
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-991-321-32
```

```

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
Db      647 FTPNQVARMHCYLDLVYQ 664
```

```

RESULT 22
US-10-887-229A-8
; Sequence 8, Application US/10887229A
; Publication No. US20050148509A1
; GENERAL INFORMATION:
; APPLICANT: DAKE, BRIAN
; APPLICANT: BOOTH, BARBARA
; APPLICANT: BOES, MARY
; APPLICANT: BAR, ROBERT S.
; TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY
; FILE REFERENCE: IOWA:049US
; CURRENT APPLICATION NUMBER: US/10/887,229A
; CURRENT FILING DATE: 2004-07-08
; PRIOR APPLICATION NUMBER: 60/538,000
; PRIOR FILING DATE: 2004-01-21
```

```
; PRIOR APPLICATION NUMBER: 60/485,846
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 8
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-887-229A-8
```

```
Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
DB      647 FTPNQVARMHCYLDLVYQ 664
```

RESULT 23

```
US-10-450-763-41497
; Sequence 41497; Application US/10450763
; Publication No: US20050196754A1
; GENERAL INFORMATION:
```

```
; APPLICANT: HySeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 41497
; LENGTH: 1752
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (632)..(643)
```

```
; OTHER INFORMATION: Neutral zinc metalloproteinases zinc-binding region proteins.
```

```
; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00142, p-value=
```

```
; OTHER INFORMATION: 6.625e-10, raw score of 8.38
```

```
; FEATURE:
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```
; NAME/KEY: DOMAIN
```

```
; LOCATION: (1288)..(1544)
```

```
; OTHER INFORMATION: Sushi domain (SCR repeat) domain identified by Pfam,
```

```
; OTHER INFORMATION: accession name sushi, E-value=2.6e-18, Pfam score of 74.3
```

```
US-10-450-763-41497
```

```
Query Match      1.2%; Score 18; DB 5; Length 1752;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTPNQVARMHCYLDLVYQ 602
      |||||||
DB      720 FTPNQVARMHCYLDLVYQ 737
```

RESULT 24

```
US-09-827-998-18
; Sequence 18; Application US/09827998
; Patent No. US20020102252A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Gu, Yizhong
```

```
; APPLICANT: Shannon, Mark
```

```
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
```

```
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
```

```
; CURRENT FILING DATE: 2001-04-06
```

```
; PRIOR APPLICATION NUMBER: US 60/207,456
```

```
; PRIOR FILING DATE: 2000-05-26
```

```
; PRIOR APPLICATION NUMBER: US 60/236,359
```

```
; PRIOR FILING DATE: 2000-09-27
```

```
; NUMBER OF SEQ ID NOS: 1881
```

```
; SOFTWARE: Aeomica Sequence Listing Engine
```

```
; SEQ ID NO 18
```

```
; LENGTH: 20
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens
```

```
US-09-827-998-18
```

```
Query Match      0.7%; Score 11; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      480 GGIVLSPAYYG 490
      |||||||
DB      10 GGIVLSPAYYG 20
```

RESULT 25

```
US-10-675-685-18
; Sequence 18; Application US/10675685
; Publication No. US20040063134A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Gu, Yizhong
```

```
; APPLICANT: Shannon, Mark
```

```
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
```

```
; FILE REFERENCE: PRO114
```

```
; CURRENT APPLICATION NUMBER: US/10/675,685
```

```
; PRIOR FILING DATE: 2003-09-30
```

```
; PRIOR APPLICATION NUMBER: US 60/207,456
```

```
; PRIOR FILING DATE: 2000-05-26
```

```
; PRIOR APPLICATION NUMBER: US 60/236,359
```

```
; PRIOR FILING DATE: 2000-09-27
```

```
; NUMBER OF SEQ ID NOS: 1881
```

```
; SOFTWARE: Aeomica Sequence Listing Engine
```

```
; SEQ ID NO 18
```

```
; LENGTH: 20
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens
```

```
US-10-675-685-18
```

```
Query Match      0.7%; Score 11; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      480 GGIVLSPAYYG 490
      |||||||
DB      10 GGIVLSPAYYG 20
```

RESULT 26

```
US-10-369-493-18401
; Sequence 18401; Application US/10369493
; Publication No. US2003023675A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Cao, Yongwei
```

```
; APPLICANT: Hinkle, Gregory J.
```

```
; APPLICANT: Slater, Steven C.
```

```
; APPLICANT: Goldman, Barry S.
```

```
; APPLICANT: Chen, Xianfeng
```

```
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
```

```
; FILE REFERENCE: 38-10(52052)B
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; CURRENT APPLICATION NUMBER: US/10/369,493
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; PRIOR FILING DATE: 2003-02-28
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; PRIOR APPLICATION NUMBER: US 60/360,039
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; PRIOR FILING DATE: 2002-02-21
```

```
; NUMBER OF SEQ ID NOS: 47374
```

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; SEQ ID NO 18401
```


; LENGTH: 502
; TYPE: PRT
; ORGANISM: Lactococcus lactis
US-10-369-493-18401

Query Match 0.6%; Score 9; DB 4; Length 502;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 781 DGKVGSKV 789
Db 217 DGKVGSKV 225

RESULT 27

US-10-115-072-7
; Sequence 7, Application US/10115072
; Publication No. US20030105003A1
; GENERAL INFORMATION:
; APPLICANT: NILSSON, JAN
; APPLICANT: SHAH, PREDIMAN K.
; TITLE OF INVENTION: PEPTIDE-BASED IMMUNIZATION THERAPY FOR TREATMENT OF
; TITLE OF INVENTION: ATHEROSCLEROSIS AND DEVELOPMENT OF PEPTIDE-BASED ASSAY
; TITLE OF INVENTION: FOR DETERMINATION OF IMMUNE RESPONSES AGAINST OXIDIZED
; TITLE OF INVENTION: LOW DENSITY LIPOPROTEIN
; FILE REFERENCE: 03940.0057
; CURRENT APPLICATION NUMBER: US/10/115,072
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/281,410
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: SE 0101232-7
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: SE 0103754-8
; PRIOR FILING DATE: 2001-09-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-115-072-7

Query Match 0.5%; Score 8; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1079 GTYGLSCQ 1086
Db 2 GTYGLSCQ 9

RESULT 28

US-10-679-032-45
; Sequence 45, Application US/10679032
; Publication No. US20040202653A1
; GENERAL INFORMATION:
; APPLICANT: NILSSON, JAN
; APPLICANT: CARLSSON, ROLAND
; APPLICANT: BENGTSSON, JENNY
; APPLICANT: STRANDBERG, LEIF
; TITLE OF INVENTION: PEPTIDE-BASED PASSIVE IMMUNIZATION THERAPY FOR
; TITLE OF INVENTION: TREATMENT OF ATHEROSCLEROSIS
; FILE REFERENCE: 7303CIP
; CURRENT APPLICATION NUMBER: US/10/679,032
; CURRENT FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 45
; LENGTH: 20
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-679-032-45

Query Match 0.5%; Score 8; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1079 GTYGLSCQ 1086
Db 2 GTYGLSCQ 9

RESULT 29

US-10-029-386-30575
; Sequence 30575, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 30575
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011799.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.37
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.4
US-10-029-386-30575

Query Match 0.5%; Score 8; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1527 SSTLSSKK 1534
Db 15 SSTLSSKK 22

RESULT 30

US-10-424-599-243752
; Sequence 243752, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 243752
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_62134C.1.pep
US-10-424-599-243752

Query Match 0.5%; Score 8; DB 4; Length 43;

Best Local Similarity 100.0%; Pred. No. 30;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 TALPQSHF 205
DB 33 TALPQSHF 40

RESULT 31
US-10-656-053B-90

; Sequence 90, Application US/10656053B
; Publication No. US20050215499A1
; GENERAL INFORMATION:
; APPLICANT: GUEVERA, JR., JUAN G.
; APPLICANT: HOOGEVEEN, RON C.
; APPLICANT: MOORE, PAUL J.
; TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID VECTORS
; FILE REFERENCE: ARAG:003USD1
; CURRENT APPLICATION NUMBER: US/10/656,053B
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: 09/079,030
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: 08/874,807
; PRIOR FILING DATE: 1997-06-13
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 90
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-656-053B-90

Query Match 0.5%; Score 8; DB 5; Length 47;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
DB 32 GTYGLSCQ 39

RESULT 32
US-10-425-115-352366

; Sequence 352366, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 352366
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_84526C.1.pap
US-10-425-115-352366

Query Match 0.5%; Score 8; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSRR 668
DB 7 VHTASSRR 14

RESULT 33
US-09-864-408A-7358

; Sequence 7358, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Enc
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 7358
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-7358

Query Match 0.5%; Score 8; DB 3; Length 87;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 LRPEVLAE 48
DB 27 LRPEVLAE 34

RESULT 34
US-10-437-963-137791

; Sequence 137791, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137791
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39240C.1.pap
US-10-437-963-137791

Query Match 0.5%; Score 8; DB 4; Length 117;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 804 TSQPHSPL 811
DB 29 TSQPHSPL 36

RESULT 35
US-10-437-963-129209

; Sequence 129209, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.

```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 129209
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_31488C.1.pep
US-10-437-963-129209
```

```
Query Match          0.5%; Score 8; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 73;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

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OY      610 PTPPIPP 617
      |||||
Db      88 PTPPIPP 95
```

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RESULT 36
US-10-425-115-301015
; Sequence 301015, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 301015
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37596C.1.pep
US-10-425-115-301015
```

```
Query Match          0.5%; Score 8; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 88;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

```
OY      436 VKELKEAL 443
      |||||
Db      59 VKELKEAL 66
```

```
RESULT 37
US-10-425-115-301017
; Sequence 301017, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
```

```
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 301017
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37598C.1.pep
US-10-425-115-301017
```

```
Query Match          0.5%; Score 8; DB 4; Length 153;
Best Local Similarity 100.0%; Pred. No. 92;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

```
OY      436 VKELKEAL 443
      |||||
Db      67 VKELKEAL 74
```

```
RESULT 38
US-10-425-115-358611
; Sequence 358611, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 358611
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_90220C.1.pep
US-10-425-115-358611
```

```
Query Match          0.5%; Score 8; DB 4; Length 158;
Best Local Similarity 100.0%; Pred. No. 95;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

```
OY      688 DQPCPSL 695
      |||||
Db      125 DQPCPSL 132
```

```
RESULT 39
US-10-424-599-211488
; Sequence 211488, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 211488
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_329C.1.pep
```

US-10-424-599-211488

Query Match : 0.5%; Score 8; DB 4; Length 173;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 797 EIDALLT 804
|||
Db 133 EIDALLT 140

RESULT 40

US-10-424-599-261285
; Sequence 261285, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 261285
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_77963C.1.pep
US-10-424-599-261285

Query Match : 0.5%; Score 8; DB 4; Length 194;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 480 GGIVLSPA 487
|||
Db 36 GGIVLSPA 43

RESULT 41

US-10-732-923-15571
; Sequence 15571, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 15571
; LENGTH: 202
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(202)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-15571

Query Match : 0.5%; Score 8; DB 5; Length 202;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 207 HSSQSSG 214
|||
Db 41 HSSQSSG 48

RESULT 42

US-10-437-963-195783
; Sequence 195783, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 195783
; LENGTH: 204
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_91699C.1.pep
US-10-437-963-195783

Query Match : 0.5%; Score 8; DB 4; Length 204;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1418 GECPPPPS 1425
|||
Db 154 GECPPPPS 161

RESULT 43

US-10-767-701-32497
; Sequence 32497, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 32497
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C133268_1.pep
US-10-767-701-32497

Query Match : 0.5%; Score 8; DB 4; Length 221;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLLR 42
|||
Db 106 RRERLLR 113

RESULT 44

US-10-282-122A-50794
; Sequence 50794, Application US/10282122A
; Publication No. US20040029129A1


```
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50794
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Bordetella pertussis
US-10-282-122A-50794

Query Match          0.5%; Score 8; DB 4; Length 274;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      637 GVVYDRAS 644
      |||||
Db      246 GVVYDRAS 253

RESULT 45
US-10-424-599-261287
; Sequence 261287, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovacic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 261287
; LENGTH: 279
; TYPE: PRT
```

```
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_77965C.1.pep
US-10-424-599-261287

Query Match          0.5%; Score 8; DB 4; Length 279;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      480 GGIVLSPA 487
      |||||
Db      37 GGIVLSPA 44

RESULT 46
US-10-282-122A-61115
; Sequence 6115, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61115
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Legionella pneumophila
US-10-282-122A-61115

Query Match          0.5%; Score 8; DB 4; Length 281;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      214 GEEBATDL 221
      |||||
Db      243 GEEBATDL 250
```

```
RESULT 47
US-10-602-898A-14
; Sequence 14, Application US/10602898A
; Publication No. US20040187176A1
; GENERAL INFORMATION:
; APPLICANT: Boyes, Douglas
; APPLICANT: Davis, Keith
; APPLICANT: Jones, Alan
; APPLICANT: Ullah, Hemayet
; APPLICANT: Chen, Jin-Gul
; APPLICANT: Mulpuri, Rao
; APPLICANT: Chatterjee, Anil
; APPLICANT: Ward, Mary
; TITLE OF INVENTION: METHODS FOR IMPROVING PLANT AGRONOMICAL TRAITS BY ALTERING THE
; TITLE OF INVENTION: EXPRESSION OR ACTIVITY OF PLANT G-PROTEIN ALPHA AND BETA SUBUNIT
; FILE REFERENCE: 2155US
; CURRENT APPLICATION NUMBER: US/10/602,898A
; CURRENT FILING DATE: 2003-06-24
; PRIOR APPLICATION NUMBER: 60/392,730
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/445,208
; PRIOR FILING DATE: 2003-02-05
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Nicotiana tabacum
US-10-602-898A-14
```

```
Query Match      0.5%; Score 8; DB 4; Length 377;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      434 MSVKELKE 441
      |||||
Db      1 MSVKELKE 8
```

```
RESULT 48
US-10-732-923-7459
; Sequence 7459, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 7459
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Nicotiana tabacum
US-10-732-923-7459
```

```
Query Match      0.5%; Score 8; DB 5; Length 377;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      434 MSVKELKE 441
      |||||
Db      1 MSVKELKE 8
```

```
RESULT 49
US-09-815-242-13478
; Sequence 13478, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
```

```
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13478
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-815-242-13478
```

```
Query Match      0.5%; Score 8; DB 3; Length 457;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      309 VSEEQIRL 316
      |||||
Db      290 VSEEQIRL 297
```

```
RESULT 50
US-10-282-122A-74115
; Sequence 74115, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
```

```
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74115
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-282-122A-74115
```

```
Query Match          0.5%; Score 8; DB 4; Length 457;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      309 VSEEQIRL 316
        |||||
Db       290 VSEEQIRL 297
```

```
RESULT 51
US-10-472-928-3436
; Sequence 3436, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: P026926WO
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: Seqwin99, version 1.03
; SEQ ID NO 3436
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: UDP-N-acetylmutamoylalanyl-D-glutamyl-2,6-diaminopimelate--D-alan
; OTHER INFORMATION: Cellular location: cytoplasm
; OTHER INFORMATION: Similar to strain R6 sequence 15903557 (0.E+01)
US-10-472-928-3436
```

```
Query Match          0.5%; Score 8; DB 5; Length 457;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      309 VSEEQIRL 316
        |||||
Db       290 VSEEQIRL 297
```

```
RESULT 52
US-10-156-761-8854
; Sequence 8854, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
```

```
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 8854
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-8854
```

```
Query Match          0.5%; Score 8; DB 4; Length 470;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      40 LRPEVLA 47
        |||||
Db       456 LRPEVLA 463
```

```
RESULT 53
US-10-156-761-14941
; Sequence 14941, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 14941
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-14941
```

```
Query Match          0.5%; Score 8; DB 4; Length 481;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      41 LRPEVLA 48
        |||||
Db       213 LRPEVLA 220
```

```
RESULT 54
US-10-156-761-8688
; Sequence 8688, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
```

```
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 8688
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
; US-10-156-761-8688

Query Match      0.5%; Score 8; DB 4; Length 489;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      976 LVTGEPHS 983
      |||||
Db      295 LVTGEPHS 302

RESULT 55
US-10-282-122A-60140
; Sequence 60140, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Melone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60140
; LENGTH: 588
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
```

```
US-10-282-122A-60140

Query Match      0.5%; Score 8; DB 4; Length 588;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      44 EVLAIPR 51
      |||||
Db      318 EVLAIPR 325

RESULT 56
US-10-376-893-3
; Sequence 3, Application US/10376893
; Publication No. US20030219794A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen-Akentine, Annick
; TITLE OF INVENTION: GENOMIC SEQUENCE OF THE purH GENE AND purH-RELATED BIALLLELIC
; FILE REFERENCE: GENSET.058AUS
; CURRENT APPLICATION NUMBER: US/10/376,893
; PRIOR FILING DATE: 2003-02-27
; PRIOR APPLICATION NUMBER: US/09/536,059
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: US 60/125,961
; PRIOR FILING DATE: 1999-03-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent.pm
; SEQ ID NO 3
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: VARIANT
; LOCATION: 116
; OTHER INFORMATION: Xaa=Thr or Ser
; US-10-376-893-3

Query Match      0.5%; Score 8; DB 4; Length 592;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      436 VKELKEAL 443
      |||||
Db      250 VKELKEAL 257

RESULT 57
US-10-734-049A-261
; Sequence 261, Application US/10734049A
; Publication No. US20050042624A1
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo
; APPLICANT: SHICHIJO, Shigeki
; TITLE OF INVENTION: TUMOR ANTIGEN
; FILE REFERENCE: Q-78382
; CURRENT APPLICATION NUMBER: US/10/734,049A
; PRIOR FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/JP02/05799
; PRIOR FILING DATE: 2002-06-11
; PRIOR APPLICATION NUMBER: JP 2001/177058
; PRIOR FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: JP 2001/250728
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 408
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 261
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
```


US-10-734-049A-261

Query Match 0.5%; Score 8; DB 5; Length 592;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443
|||
Db 250 VKELKEAL 257

RESULT 58

US-10-927-904-2
; Sequence 2, Application US/10927904
; Publication No. US20050112627A1
; GENERAL INFORMATION:
; APPLICANT: Dervieux, Thierry
; APPLICANT: Walsh, Michael
; APPLICANT: Promethues Laboratoires Inc.
; TITLE OF INVENTION: Methods for Optimizing Clinical Responsiveness to
; TITLE OF INVENTION: Methotrexate Therapy Using Metabolite Profiling and
; TITLE OF INVENTION: Pharmacogenetics
; FILE REFERENCE: 021825-001420US
; CURRENT APPLICATION NUMBER: US/10/927, 904
; CURRENT FILING DATE: 2004-08-26
; PRIOR APPLICATION NUMBER: US 60/514,423
; PRIOR FILING DATE: 2003-10-24
; PRIOR APPLICATION NUMBER: US 10/652,894
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 60/560,752
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: aminoimidazole carboxamide ribonucleotide
; OTHER INFORMATION: transformylase, 5-aminoimidazole-4-carboxamide
; OTHER INFORMATION: ribonucleotide formyltransferase (ATIC)
US-10-927-904-2

Query Match 0.5%; Score 8; DB 5; Length 592;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443
|||
Db 250 VKELKEAL 257

RESULT 59

US-10-450-763-30777
; Sequence 30777, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 30777
; LENGTH: 592
; TYPE: PRT

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (38)..(80)
; OTHER INFORMATION: IMP PHOSPHORIBOSYLAMINOIMIDAZOLE domain identified by
; OTHER INFORMATION: eMATRIX, accession number PD02408B, p-value=1.000e-40, raw score
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (135)..(462)
; OTHER INFORMATION: AICARFT/IMPChase bienzyme domain identified by Pfam,
; OTHER INFORMATION: accession name AICARFT_IMPChas, E-value=4.2e-217, Pfam score of
; OTHER INFORMATION: 734.7
US-10-450-763-30777

Query Match 0.5%; Score 8; DB 5; Length 592;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443
|||
Db 250 VKELKEAL 257

RESULT 60

US-09-925-301-1218
; Sequence 1218, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1218
; LENGTH: 598
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (9)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (144)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1218

Query Match 0.5%; Score 8; DB 3; Length 598;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443
|||
Db 278 VKELKEAL 285

RESULT 61

US-10-106-698-4589
; Sequence 4589, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524

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; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patentln Ver. 3.0
; SEQ ID NO 4589
; LENGTH: 598
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4589
```

```
Query Match          0.5%; Score 8; DB 4; Length 598;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      436 VKELKEAL 443
        |||||
Db       278 VKELKEAL 285
```

```
RESULT 62
US-10-282-122A-67750
; Sequence 67750; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patentln version 3.1
```

```
; SEQ ID NO 67750
; LENGTH: 602
; TYPE: PRT
; ORGANISM: Pseudomonas putida
US-10-282-122A-67750
```

```
Query Match          0.5%; Score 8; DB 4; Length 602;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      44 EVLAEIPR 51
        |||||
Db       320 EVLAEIPR 327
```

```
RESULT 63
US-10-282-122A-69598
; Sequence 69598; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
```

```
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 69598
; LENGTH: 602
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-282-122A-69598
```

```
Query Match          0.5%; Score 8; DB 4; Length 602;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      44 EVLAEIPR 51
        |||||
Db       320 EVLAEIPR 327
```

```
RESULT 64
US-10-375-039-32
; Sequence 32, Application US/10375039
; Publication No. US20040170986A1
; GENERAL INFORMATION:
; APPLICANT: USUDA, Yoshihiro
; APPLICANT: NISHIO, Yosuke
; APPLICANT: YASUEDA, Hisashi
; APPLICANT: SUGIMOTO, Shinichi
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING POLYPEPTIDES INVOLVED IN AMINO ACID BIOS
; FILE REFERENCE: 232743US0
; CURRENT APPLICATION NUMBER: US/10/375,039
; CURRENT FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Methylophilus methylotrophus
US-10-375-039-32

Query Match          0.5%; Score 8; DB 4; Length 615;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      44 EVLAEIPR 51
Db      319 EVLAEIPR 326

RESULT 65
US-10-425-115-304986
; Sequence 304986, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 304986
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(712)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_41220C.1.pep
US-10-425-115-304986

Query Match          0.5%; Score 8; DB 4; Length 712;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      460 REDLAGAA 467
Db      52 REDLAGAA 59

RESULT 66
US-10-369-493-13831
; Sequence 13831, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 13831
; LENGTH: 1076
; TYPE: PRT
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-13831

Query Match          0.5%; Score 8; DB 4; Length 1076;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      44 EVLAEIPR 51
Db      795 EVLAEIPR 802

RESULT 67
US-10-425-115-338822
; Sequence 338822, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 338822
; LENGTH: 1175
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_72172C.1.pep
US-10-425-115-338822

Query Match          0.5%; Score 8; DB 4; Length 1175;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      434 MSVKELKE 441
Db      587 MSVKELKE 594

RESULT 68
US-10-128-714-8301
; Sequence 8301, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wengqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
```

```
/ FILE REFERENCE: 10182-018-999
/ CURRENT APPLICATION NUMBER: US/10/128,714
/ CURRENT FILING DATE: 2002-04-23
/ PRIOR APPLICATION NUMBER: US 60/285,697
/ PRIOR FILING DATE: 2001-04-23
/ PRIOR APPLICATION NUMBER: US 60/287,066
/ PRIOR FILING DATE: 2001-04-27
/ PRIOR APPLICATION NUMBER: US 60/295,890
/ PRIOR FILING DATE: 2001-06-05
/ PRIOR APPLICATION NUMBER: US 60/303,899
/ PRIOR FILING DATE: 2001-07-09
/ PRIOR APPLICATION NUMBER: US 60/316,362
/ PRIOR FILING DATE: 2001-08-31
/ NUMBER OF SEQ ID NOS: 8603
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO 8301
/ LENGTH: 1460
/ TYPE: PRT
/ ORGANISM: Aspergillus fumigatus
/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ LOCATION: (883)..(883)
/ OTHER INFORMATION: X= any amino acid
US-10-128-714-8301

Query Match          0.5%; Score 8; DB 4; Length 1460;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1006 VASENETQ 1013
        |||||
Db      1350 VASENETQ 1357

RESULT 69
US-09-864-761-46862
/ Sequence 46862, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharron G.
/ APPLICANT: Hanzel, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ FILE REFERENCE: Aecmca-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
```

```
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 46862
/ LENGTH: 1706
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC010872.3
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.9
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 8.1
/ OTHER INFORMATION: SWISSPROT HIT: P04114, EVALU0 0.00e+00
/ OTHER INFORMATION: EST_HUMAN HIT: AA702484.1, EVALU0 0.00e+00
/ OTHER INFORMATION: EST_HUMAN HIT: AA702484.1, EVALU0 0.00e+00
US-09-864-761-46862

Query Match          0.5%; Score 8; DB 3; Length 1706;
Best Local Similarity 100.0%; Pred. No. 8e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1079 GTYGLSCQ 1086
        |||||
Db      93  GTYGLSCQ 100

RESULT 70
US-10-741-601-431
/ Sequence 431, Application US/10741601
/ Publication No. US20040166519A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: CL001500
/ CURRENT APPLICATION NUMBER: US/10/741,601
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ ID NOS: 26415
/ SOFTWARE: FastSeq for windows Version 4.0
/ SEQ ID NO 431
/ LENGTH: 3000
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-741-601-431

Query Match          0.5%; Score 8; DB 4; Length 3000;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1079 GTYGLSCQ 1086
        |||||
Db      451 GTYGLSCQ 458

RESULT 71
US-10-741-600-1286
/ Sequence 1286, Application US/10741600
/ Publication No. US20050026169A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
/ CURRENT APPLICATION NUMBER: US/10/741,600
```



```
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1286
; LENGTH: 3000
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1286
```

```
Query Match          0.5%; Score 8; DB 5; Length 3000;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1079 GTYGLSCQ 1086
        |||||||
Db       451 GTYGLSCQ 458
```

RESULT 72

```
US-10-656-053B-1
; Sequence 1, Application US/10656053B
; Publication No. US20050215499A1
; GENERAL INFORMATION:
; APPLICANT: GUEVERA, JR., JUAN G.
; APPLICANT: HOOGEVEEN, RON C.
; APPLICANT: MOORE, PAUL J.
; TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID VECTORS
; FILE REFERENCE: ARAG:003USD1
; CURRENT APPLICATION NUMBER: US/10/656,053B
; PRIOR FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: 09/079,030
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: 08/874,807
; PRIOR FILING DATE: 1997-06-13
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4536
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-656-053B-1
```

```
Query Match          0.5%; Score 8; DB 5; Length 4536;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1079 GTYGLSCQ 1086
        |||||||
Db       1472 GTYGLSCQ 1479
```

RESULT 73

```
US-10-398-200-2
; Sequence 2, Application US/10398200
; Publication No. US20050048062A1
; GENERAL INFORMATION:
; APPLICANT: AGNELLO, VINCENT
; TITLE OF INVENTION: METHOD OF INHIBITING INFECTION BY HCV, OTHER
; TITLE OF INVENTION: FLAVIVIRIDAE VIRUSES, AND ANY OTHER VIRUS THAT
; TITLE OF INVENTION: COMPLEXES TO LOW DENSITY LIPOPROTEIN OR TO VERY LOW
; TITLE OF INVENTION: DENSITY LIPOPROTEIN IN BLOOD BY PREVENTING VIRAL ENTRY
; TITLE OF INVENTION: INTO A CELL
; FILE REFERENCE: 1513-PCT-00
; CURRENT APPLICATION NUMBER: US/10/398,200
; PRIOR FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/243,594
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4560
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```
US-10-398-200-2
```

```
Query Match          0.5%; Score 8; DB 5; Length 4560;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1079 GTYGLSCQ 1086
        |||||||
Db       1496 GTYGLSCQ 1503
```

RESULT 74

```
US-09-870-759-128
; Sequence 128, Application US/09870759
; Patent No. US20020177551A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 870759
; CURRENT APPLICATION NUMBER: US/09/870,759
; PRIOR FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: US 60/208,128
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 128
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-870-759-128
```

```
Query Match          0.5%; Score 8; DB 3; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1079 GTYGLSCQ 1086
        |||||||
Db       1499 GTYGLSCQ 1506
```

RESULT 75

```
US-09-802-640-32
; Sequence 32, Application US/09802640
; Publication No. US20030036057A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bonsal Aruna
; APPLICANT: Kleya Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE
; FILE REFERENCE: 24736-2048
; CURRENT APPLICATION NUMBER: US/09/802,640
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-802-640-32
```

```
Query Match          0.5%; Score 8; DB 3; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1079 GTYGLSCQ 1086
        |||||||
Db       1499 GTYGLSCQ 1506
```

RESULT 76

```
US-09-751-708A-128
; Sequence 128, Application US/09751708A
```

```
; Publication No. US20030157113A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 751708
; CURRENT APPLICATION NUMBER: US/09/751,708A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/173,371
; PRIOR FILING DATE: 1999-12-28
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 128
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-751-708A-128

Query Match
Best Local Similarity 100.0%; Score 8; DB 3; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
DB 1499 GTYGLSCQ 1506

RESULT 77
US-10-403-902A-32
; Sequence 32, Application US/10403902A
; Publication No: US20030224418A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bansal, Aruna
; APPLICANT: Kleya, Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE
; FILE REFERENCE: 24736-2048B
; CURRENT APPLICATION NUMBER: US/10/403,902A
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: 09/802,640
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 4563;
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-403-902A-32

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
DB 1499 GTYGLSCQ 1506

RESULT 78
US-10-741-601-432
; Sequence 432, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 432
; LENGTH: 4563
```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-432

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
DB 1499 GTYGLSCQ 1506

RESULT 79
US-10-741-601-433
; Sequence 433, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 433
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-433

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
DB 1499 GTYGLSCQ 1506

RESULT 80
US-10-428-817A-124
; Sequence 124, Application US/10428817A
; Publication No. US20040214783A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 38373-189118
; CURRENT APPLICATION NUMBER: US/10/428,817A
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/378,988
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 60/389,366
; PRIOR FILING DATE: 2002-06-15
; PRIOR APPLICATION NUMBER: US 60/406,697
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: US 60/406,750
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/415,310
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 60/415,400
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US 60/438,686
; PRIOR FILING DATE: 2003-01-09
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 124
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-428-817A-124
```

Query Match 0.5%; Score 8; DB 4; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
|||
Db 1499 GTYGLSCQ 1506

RESULT 81

US-10-741-600-1287
; Sequence 1287, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1287
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1287

Query Match 0.5%; Score 8; DB 5; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
|||
Db 1499 GTYGLSCQ 1506

RESULT 82

US-10-741-600-1288
; Sequence 1288, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1288
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1288

Query Match 0.5%; Score 8; DB 5; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
|||
Db 1499 GTYGLSCQ 1506

RESULT 83

US-10-868-577A-25
; Sequence 25, Application US/10868577A
; Publication No. US20050032697A1
; GENERAL INFORMATION:
; APPLICANT: Altalo et al.
; TITLE OF INVENTION: HEPARIN BINDING VEGFR-3 LIGANDS
; FILE REFERENCE: 28967/39359A

; CURRENT APPLICATION NUMBER: US/10/868,577A
; CURRENT FILING DATE: 2004-06-14
; PRIOR APPLICATION NUMBER: US 60/478,390
; PRIOR FILING DATE: 2003-06-12
; PRIOR APPLICATION NUMBER: US 10/669,176
; PRIOR FILING DATE: 2003-09-23
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (32)..(126)
; OTHER INFORMATION: heparin binding domain
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3161)..(3236)
; OTHER INFORMATION: heparin binding domain
US-10-868-577A-25

Query Match 0.5%; Score 8; DB 5; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
|||
Db 1499 GTYGLSCQ 1506

RESULT 84

US-10-937-758A-105
; Sequence 105, Application US/10937758A
; Publication No. US20050112141A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: FILE REFERENCE 650884
; CURRENT APPLICATION NUMBER: US/10/937,758A
; CURRENT FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: 09/650,884
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 105
; LENGTH: 4563
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-937-758A-105

Query Match 0.5%; Score 8; DB 5; Length 4563;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
|||
Db 1499 GTYGLSCQ 1506

RESULT 85

US-10-734-049A-169
; Sequence 169, Application US/10734049A
; Publication No. US20050042624A1
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo
; APPLICANT: SHICHIJO, Shigeki
; TITLE OF INVENTION: TUMOR ANTIGEN
; FILE REFERENCE: Q-78382
; CURRENT APPLICATION NUMBER: US/10/734,049A
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/JP02/05799
; PRIOR FILING DATE: 2002-06-11

```
; PRIOR APPLICATION NUMBER: JP 2001/177058
; PRIOR FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: JP 2001/250728
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 408
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 169
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed peptide recognized by HLA-A2 restricted cytotoxic T
; OTHER INFORMATION: Lymphocytes
US-10-734-049A-169
```

```
Query Match          0.4%; Score 7; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      436 VKELKEA 442
          |||||
Db       4 VKELKEA 10
```

```
RESULT 86
US-09-852-370-31
; Sequence 31, Application US/09852370
; Publication No. US20030126624A1
; GENERAL INFORMATION:
; APPLICANT: Pomerantz, Joel L.
; APPLICANT: Sharp, Phillip A.
; APPLICANT: Pabo, Carl O.
; TITLE OF INVENTION: Chimeric DNA-binding proteins
; FILE REFERENCE: APV-022.02
; CURRENT APPLICATION NUMBER: US/09/852,370
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 08/973,131
; PRIOR FILING DATE: 1997-11-26
; PRIOR APPLICATION NUMBER: PCT/US95/16982
; PRIOR FILING DATE: 1995-12-29
; PRIOR APPLICATION NUMBER: 08/366,083
; PRIOR FILING DATE: 1994-12-29
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 31
; LENGTH: 18
; TYPE: PRT
; ORGANISM: human
US-09-852-370-31
```

```
Query Match          0.4%; Score 7; DB 3; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      801 ALLTSQP 807
          |||||
Db       12 ALLTSQP 18
```

```
RESULT 87
US-10-097-800B-3
; Sequence 3, Application US/10097800B
; Publication No. US20030105045A1
; GENERAL INFORMATION:
; APPLICANT: Stanojevic, Dusan
; TITLE OF INVENTION: Artificial Transcriptional Factors and Methods of Use
; FILE REFERENCE: 112824.122US2
; CURRENT APPLICATION NUMBER: US/10/097,800B
; PRIOR FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 09/077,852
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/240,479
; PRIOR FILING DATE: 2000-10-13
```

```
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 3
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic composition useful as artificial transcriptional facto
US-10-097-800B-3
```

```
Query Match          0.4%; Score 7; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      801 ALLTSQP 807
          |||||
Db       12 ALLTSQP 18
```

```
RESULT 88
US-10-002-244-4
; Sequence 4, Application US/10002244
; Publication No. US20030143731A1
; GENERAL INFORMATION:
; APPLICANT: ARIAD Gene Therapeutics, Inc.
; TITLE OF INVENTION: Use of Heterologous Transcription Factors in Gene Therapy
; FILE REFERENCE: 346B USC1
; CURRENT APPLICATION NUMBER: US/10/002,244
; PRIOR FILING DATE: 2002-01-29
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: homo sapien
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(18)
; OTHER INFORMATION: glutamine rich region of Oct-2
US-10-002-244-4
```

```
Query Match          0.4%; Score 7; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      801 ALLTSQP 807
          |||||
Db       12 ALLTSQP 18
```

```
RESULT 89
US-10-849-783-1
; Sequence 1, Application US/10849783
; Publication No. US20050165225A1
; GENERAL INFORMATION:
; APPLICANT: HAYAKAWA, YOICHI
; TITLE OF INVENTION: NOVEL CYTOKINE ISOLATED FROM AN INSECT
; FILE REFERENCE: 253546US0
; CURRENT APPLICATION NUMBER: US/10/849,783
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: JP 2003-146551
; PRIOR FILING DATE: 2003-05-23
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Lucilia cuprina
US-10-849-783-1
```

```
Query Match          0.4%; Score 7; DB 5; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```


OY 1132 LSAPSNC 1138
|||
Db 3 LSAPSNC 9

RESULT 90

US-10-849-783-3
; Sequence 3, Application US/10849783
; Publication No. US20050165225A1
; GENERAL INFORMATION:
; APPLICANT: HAYAKAWA, YOICHI
; TITLE OF INVENTION: NOVEL CYTOKINE ISOLATED FROM AN INSECT
; FILE REFERENCE: 253546US0
; CURRENT APPLICATION NUMBER: US/10/849,783
; CURRENT FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: JP 2003-146551
; PRIOR FILING DATE: 2003-05-23
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Lucilia cuprina
US-10-849-783-3

Query Match 0.4%; Score 7; DB 5; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1132 LSAPSNC 1138
|||
Db 3 LSAPSNC 9

RESULT 91

US-10-225-567A-1927
; Sequence 1927, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1927
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1927

Query Match 0.4%; Score 7; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 35 RRERLL 41
|||
Db 6 RRERLL 12

RESULT 92

US-09-759-287A-5
; Sequence 5, Application US/09759287A
; Patent No. US20020064861A1
; GENERAL INFORMATION:
; APPLICANT: The Board of Regents of the University of Nebraska

; TITLE OF INVENTION: IDENTIFICATION OF VIRULENCE DETERMINANTS
; FILE REFERENCE: UNL 2999.1
; CURRENT APPLICATION NUMBER: US/09/759,287A
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: US 60/175,433
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Mycobacterium paratuberculosis
US-09-759-287A-5

Query Match 0.4%; Score 7; DB 3; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1117 VGISAVA 1123
|||
Db 6 VGISAVA 12

RESULT 93

US-10-862-195-369
; Sequence 369, Application US/10862195
; Publication No. US20050164324A1
; GENERAL INFORMATION:
; APPLICANT: GYGI, STEVEN P.
; TITLE OF INVENTION: SYSTEMS, METHODS AND KITS FOR CHARACTERIZING PHOSPHOPROTEOMES
; FILE REFERENCE: 58890(70207)
; CURRENT APPLICATION NUMBER: US/10/862,195
; CURRENT FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: 60/476,010
; PRIOR FILING DATE: 2003-06-04
; NUMBER OF SEQ ID NOS: 2245
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 369
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: See specification as filed for preferred embodiments
; OTHER INFORMATION: and description of phosphorylation sites
US-10-862-195-369

Query Match 0.4%; Score 7; DB 5; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1419 ECPPPPS 1425
|||
Db 13 ECPPPPS 19

RESULT 94

US-10-425-115-260188
; Sequence 260188, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 260188
; LENGTH: 41
; TYPE: PRT

```
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_168909C.1.pep
US-10-425-115-260188

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 622 QTNKSLT 628
Db 18 QTNKSLT 24

RESULT 95
US-10-724-972A-4501
; Sequence 4501, Application US/10724972A
; Publication No. US20040147734A1
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: PATH03-16
; CURRENT APPLICATION NUMBER: US/10/724,972A
; CURRENT FILING DATE: 2003-12-01
; PRIOR APPLICATION NUMBER: 09/450,969
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: 09/134,001
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 7544
; SEQ ID NO 4501
; LENGTH: 50
; TYPE: PRT
; ORGANISM: S.epidermidis
US-10-724-972A-4501

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 50;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1474 VKVQSIIV 1480
Db 7 VKVQSIIV 13

RESULT 96
US-10-424-599-185684
; Sequence 185684, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 185684
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(53)
; OTHER INFORMATION: unsure at all Xaa locations
```

```
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_138687C.1.pep
US-10-424-599-185684

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 53;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGLS 1133
Db 45 SSRIGLS 51

RESULT 97
US-10-425-115-270141
; Sequence 270141, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 270141
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_177965C.1.pep
US-10-425-115-270141

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 55;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 259 SPLQPPPL 265
Db 31 SPLQPPPL 37

RESULT 98
US-10-425-115-300521
; Sequence 300521, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 300521
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37144C.1.pep
US-10-425-115-300521

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 56;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1361 VCEPPPP 1367
```

Db 13 VCEPPPP 19

RESULT 99

US-10-029-386-30928
; Sequence 30928, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 30928
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF015726.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: SWISSPROT HIT: Q02362, EVALUE 8.00e+00
US-10-029-386-30928

Query Match 0.4%; Score 7; DB 4; Length 58;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 800 AALITSQ 806

Db 37 AALITSQ 43

RESULT 100

US-10-424-599-205515
; Sequence 205515, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 205515
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_27608C.1.pep
US-10-424-599-205515

Query Match 0.4%; Score 7; DB 4; Length 59;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1338 RNKLKLI 1344

Db 38 RNKLKLI 44

RESULT 101

US-10-424-599-251780
; Sequence 251780, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 251780
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_69385C.1.pep
US-10-424-599-251780

Query Match 0.4%; Score 7; DB 4; Length 59;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1105 TTSVILIN 1111

Db 19 TTSVILIN 25

RESULT 102

US-10-276-774-2094
; Sequence 2094, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hysed, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 2094
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2094

Query Match 0.4%; Score 7; DB 4; Length 59;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124

Db 26 GISAVAL 32

RESULT 103

US-10-424-599-194952
; Sequence 194952, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei

```
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 194952
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(60)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_18069C.1.pep
US-10-424-599-194952

Query Match          0.4%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      610 PTPPIPI 616
      |||||
Db      30 PTPPIPI 36

RESULT 104
US-10-425-115-187628
; Sequence 187628, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 187628
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(60)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_102701C.1.pep
US-10-425-115-187628

Query Match          0.4%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      719 SLELLFQ 725
      |||||
Db      31 SLELLFQ 37

RESULT 105
US-10-450-763-44502
; Sequence 44502, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
```

```
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 44502
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-44502

Query Match          0.4%; Score 7; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1405 LMTQEFK 1411
      |||||
Db      45 LMTQEFK 51

RESULT 106
US-10-424-599-229240
; Sequence 229240, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 229240
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_49029C.1.pep
US-10-424-599-229240

Query Match          0.4%; Score 7; DB 4; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      480 GGIVLSP 486
      |||||
Db      42 GGIVLSP 48

RESULT 107
US-10-437-963-128751
; Sequence 128751, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
```


; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 128751
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_31075C.1.pep
US-10-437-963-128751

Query Match 0.4%; Score 7; DB 4; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 RSLG 177
Db 42 RSLG 48

RESULT 108
US-10-424-599-273193
; Sequence 273193, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 273193
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_88715C.1.pep
US-10-424-599-273193

Query Match 0.4%; Score 7; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1065 TLX 1071
Db 28 TLX 34

RESULT 109
US-10-424-599-265708
; Sequence 265708, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 265708
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_81955C.1.pep
US-10-424-599-265708

Query Match 0.4%; Score 7; DB 4; Length 67;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1161 DSCP 1167
Db 4 DSCP 10

RESULT 110
US-10-371-264-51
; Sequence 51, Application US/10371264
; Publication No. US20030232061A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS
; TITLE OF INVENTION: EXPRESSION SYSTEMS AND VACCINES
; TITLE OF INVENTION: COMPRISING HETEROLOGOUS ANTIGENS
; TITLE OF INVENTION: DERIVED FROM METAPNEUMOVIRUS
; FILE REFERENCE: 7682-067-999
; CURRENT APPLICATION NUMBER: US/10/371,264
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 60/358,934
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human Metapneumo virus
US-10-371-264-51

Query Match 0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KEL 443
Db 36 KEL 42

RESULT 111
US-10-371-099-347
; Sequence 347, Application US/10371099
; Publication No. US2003023226A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
; TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR
; TITLE OF INVENTION: USE IN VACCINE FORMULATIONS AND AS
; TITLE OF INVENTION: VECTORS FOR EXPRESSION OF
; TITLE OF INVENTION: ANTIGENIC SEQUENCES
; FILE REFERENCE: 7682-063-999
; CURRENT APPLICATION NUMBER: US/10/371,099
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 389
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-371-099-347

Query Match 0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KEL 443
Db 36 KEL 42

Db 36 KELKEAL 42

RESULT 112

US-10-371-122-347

; Sequence 347, Application US/10371122
; Publication No. US20040005544A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
; TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR
; TITLE OF INVENTION: USE IN VACCINE FORMULATIONS AND AS
; TITLE OF INVENTION: VECTORS FOR EXPRESSION OF
; TITLE OF INVENTION: ANTIGENIC SEQUENCES
; FILE REFERENCE: 7682-066-999
; CURRENT APPLICATION NUMBER: US/10/371,122
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 389
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-371-122-347

Query Match

Best Local Similarity 0.4%; Score 7; DB 4; Length 71;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KELKEAL 443

Db 36 KELKEAL 42

RESULT 113

US-10-373-567-51

; Sequence 51, Application US/10373567
; Publication No. US20040005545A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS
; TITLE OF INVENTION: EXPRESSION SYSTEMS AND VACCINES
; TITLE OF INVENTION: COMPRISING HETEROLOGOUS ANTIGENS
; TITLE OF INVENTION: DERIVED FROM METAPNEUMOVIRUS
; FILE REFERENCE: 7682-061-999
; CURRENT APPLICATION NUMBER: US/10/373,567
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 60/358,934
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human Metapneumo virus
US-10-373-567-51

Query Match

Best Local Similarity 0.4%; Score 7; DB 4; Length 71;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KELKEAL 443

Db 36 KELKEAL 42

RESULT 114

US-10-424-599-206911

; Sequence 206911, Application US/10424599

; Publication No. US20040031072A1

; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 206911
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_28868C.1.pep
US-10-424-599-206911

Query Match

Best Local Similarity 0.4%; Score 7; DB 4; Length 71;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

QY 1052 DGLVPG 1058

Db 26 DGLVPG 32

RESULT 115

US-10-628-088-347

; Sequence 347, Application US/10628088
; Publication No. US20040096451A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Kiener, Peter
; APPLICANT: Osterhaus, Albertus
; APPLICANT: Fouchier, Ronaldus
; TITLE OF INVENTION: METHODS OF TREATING AND PREVENTING
; TITLE OF INVENTION: RSV, HMPV, AND PIV USING ANTI-RSV,
; TITLE OF INVENTION: ANTI-HMPV, AND ANTI-PIV ANTIBODIES
; FILE REFERENCE: 10271-072-999
; CURRENT APPLICATION NUMBER: US/10/628,088
; CURRENT FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 60/398,475
; PRIOR FILING DATE: 2002-07-25
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-628-088-347

Query Match

Best Local Similarity 0.4%; Score 7; DB 4; Length 71;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KELKEAL 443

Db 36 KELKEAL 42

RESULT 116

US-10-831-780-347

; Sequence 347, Application US/10831780
; Publication No. US20050019891A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus

```
; TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR USE IN VACCINE FORMULATIONS AND
; TITLE OF INVENTION: VECTORS FOR EXPRESSION OF ANTIGENIC SEQUENCES AND METHODS FOR
; TITLE OF INVENTION: PROPAGATING VIRUS
; FILE REFERENCE: 7682-112-999
; CURRENT APPLICATION NUMBER: US/10/831,780
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: 60/465,811
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: 60/466,776
; PRIOR FILING DATE: 2003-04-30
; PRIOR APPLICATION NUMBER: 60/480,658
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/498,640
; PRIOR FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/550,911
; PRIOR FILING DATE: 2004-03-04
; NUMBER OF SEQ ID NOS: 389
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-831-780-347
```

```
Query Match          0.4%; Score 7; DB 5; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      437 KEIKEAL 443
          |||||
Db       36 KEIKEAL 42
```

```
RESULT 117
US-10-831-781-51
; Sequence 51, Application US/10831781
; Publication No. US20050142148A1
; GENERAL INFORMATION:
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS EXPRESSION SYSTEMS AND VACCINES
; TITLE OF INVENTION: COMPRISING HETEROLOGOUS ANTIGENS DERIVED FROM METAPNEUMOVIRUS
; FILE REFERENCE: 7682-111-999
; CURRENT APPLICATION NUMBER: US/10/831,781
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: 60/466,181
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: 60/499,274
; PRIOR FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/550,931
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human Metapneumo virus
US-10-831-781-51
```

```
Query Match          0.4%; Score 7; DB 5; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      437 KEIKEAL 443
          |||||
Db       36 KEIKEAL 42
```

```
RESULT 118
US-10-437-963-147197
```

```
; Sequence 147197, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 147197
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_47748C.1.pep
US-10-437-963-147197
```

```
Query Match          0.4%; Score 7; DB 4; Length 72;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      98 KGKRDAR 104
          |||||
Db       26 KGKRDAR 32
```

```
RESULT 119
US-10-450-763-54585
; Sequence 54585, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 54585
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(72)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-54585
```

```
Query Match          0.4%; Score 7; DB 5; Length 72;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      918 CVGEPSTL 924
          |||||
Db       39 CVGEPSTL 45
```

```
RESULT 120
US-10-437-963-131823
```

```
; Sequence 131823, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 131823
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_33852C.1.pep
US-10-437-963-131823
```

```
Query Match          0.4%; Score 7; DB 4; Length 75;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      513 KGVSERE 519
        |||||
Db       39 KGVSERE 45
```

```
RESULT 121
US-10-501-282-5414
; Sequence 5414, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: MCMICHAEL, JOHN CALHOUN
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID PARRISH
; APPLICANT: FLETCHER, LEAH DIANE
; TITLE OF INVENTION: ALLOIOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: AM100780 L2
; CURRENT APPLICATION NUMBER: US/10/501,282
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: 60/333,777
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 60/426,742
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: PCT/US02/36123
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5414
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Alloiococcus otitidis
US-10-501-282-5414
```

```
Query Match          0.4%; Score 7; DB 5; Length 75;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1022 GSLKED 1028
        |||||
Db       69 GSLKED 75
```

```
RESULT 122
US-10-424-599-187334
```

```
; Sequence 187334, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 187334
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_140174C.1.pep
US-10-424-599-187334
```

```
Query Match          0.4%; Score 7; DB 4; Length 76;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      221 LVLTASF 227
        |||||
Db       27 LVLTASF 33
```

```
RESULT 123
US-10-424-599-275637
; Sequence 275637, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 275637
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90920C.1.pep
US-10-424-599-275637
```

```
Query Match          0.4%; Score 7; DB 4; Length 76;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      719 SLELLFQ 725
        |||||
Db       16 SLELLFQ 22
```

```
RESULT 124
US-10-425-115-251006
; Sequence 251006, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
```



```
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 251006
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_160504C.1.pep
US-10-425-115-251006
```

```
Query Match          0.4%; Score 7; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      923 SLCYMYE 929
Db       4 SLCYMYE 10
```

```
RESULT 125
US-10-437-963-154413
; Sequence 154413, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 154413
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_54276C.1.pep
US-10-437-963-154413
```

```
Query Match          0.4%; Score 7; DB 4; Length 80;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      34 GRERRL 40
Db       29 GRERRL 35
```

```
RESULT 126
US-10-437-963-178946
; Sequence 178946, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
```

```
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 178946
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_76455C.1.pep
US-10-437-963-178946
```

```
Query Match          0.4%; Score 7; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1039 PGEARAI 1045
Db       23 PGEARAI 29
```

```
RESULT 127
US-10-424-599-285530
; Sequence 285530, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 285530
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_99863C.1.pep
US-10-424-599-285530
```

```
Query Match          0.4%; Score 7; DB 4; Length 82;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      812 CSGCRPV 818
Db       68 CSGCRPV 74
```

```
RESULT 128
US-10-425-115-260925
; Sequence 260925, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 260925
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169578C.1.pep
```

US-10-425-115-260925

Query Match

0.4%; Score 7; DB 4; Length 86;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 LLRPEVL 46

Db 58 LLRPEVL 64

RESULT 129

US-10-425-115-215995

; Sequence 215995, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 215995
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_128583C.1.pep
US-10-425-115-215995

Query Match

0.4%; Score 7; DB 4; Length 89;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 RLLRPE 44

Db 37 RLLRPE 43

RESULT 130

US-10-425-115-272244

; Sequence 272244, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 272244
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_179876C.1.pep
US-10-425-115-272244

Query Match

0.4%; Score 7; DB 4; Length 94;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 DLVLTAS 226

Db 60 DLVLTAS 66

RESULT 131

US-10-425-115-271618

; Sequence 271618, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 271618
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_179309C.1.pep
US-10-425-115-271618

Query Match

0.4%; Score 7; DB 4; Length 95;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 448 THFLNTY 454

Db 16 THFLNTY 22

RESULT 132

US-10-424-599-207426

; Sequence 207426, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 207426
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(96)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_29330C.1.pep
US-10-424-599-207426

Query Match

0.4%; Score 7; DB 4; Length 96;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1252 FLKRCSI 1258

Db 14 FLKRCSI 20

RESULT 133

US-10-425-115-347279

; Sequence 347279, Application US/10425115

```
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 347279
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_79882C.1.pep
US-10-425-115-347279
```

```
Query Match      0.4%; Score 7; DB 4; Length 96;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      115 KKATILI 121
Db      26 KKATILI 32
```

```
RESULT 134
US-10-450-763-30900
; Sequence 30900, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 30900
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(98)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-30900
```

```
Query Match      0.4%; Score 7; DB 5; Length 98;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      864 GELGEAS 870
Db      51 GELGEAS 57
```

```
RESULT 135
US-10-425-115-237040
; Sequence 237040, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
```

```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 237040
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_147769C.1.pep
US-10-425-115-237040
```

```
Query Match      0.4%; Score 7; DB 4; Length 99;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1472 EPVKVQS 1478
Db      27 EPVKVQS 33
```

```
RESULT 136
US-10-437-963-151997
; Sequence 151997, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 151997
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(101)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52091C.1.pep
US-10-437-963-151997
```

```
Query Match      0.4%; Score 7; DB 4; Length 101;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1052 DGLVPGE 1058
Db      5 DGLVPGE 11
```

```
RESULT 137
US-10-282-122A-47933
; Sequence 47933, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
```

```
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 47933
/ LENGTH: 102
/ TYPE: PRT
/ ORGANISM: Burkholderia cepacia
US-10-282-122A-47933

Query Match      0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      95 GKDKGR 101
Db      15 GKDKGR 21

RESULT 138
US-10-282-122A-49031
/ Sequence 49031, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-02-20
```

```
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 49031
/ LENGTH: 102
/ TYPE: PRT
/ ORGANISM: Burkholderia fungorum
US-10-282-122A-49031

Query Match      0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      95 GKDKGR 101
Db      15 GKDKGR 21

RESULT 139
US-10-282-122A-50686
/ Sequence 50686, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
```



```
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50686
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Burkholderia mallei
US-10-282-122A-50686
```

```
Query Match      0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
Db      15 GKDKGKR 21
```

```
RESULT 140
US-10-501-282-5056
; Sequence 5056, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: MCMICHAEL, JOHN CALHOUN
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID PARRISH
; APPLICANT: FLETCHER, LEAH DIANE
; TITLE OF INVENTION: ALLOIOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: AM100780 L2
; CURRENT APPLICATION NUMBER: US/10/501,282
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: 60/333,777
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 60/426,742
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: PCT/US02/36123
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5056
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Alloiococcus otitidis
US-10-501-282-5056
```

```
Query Match      0.4%; Score 7; DB 5; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      173 LLLGGDS 179
Db      39 LLLGGDS 45
```

```
RESULT 141
US-09-815-242-11108
; Sequence 11108, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
```

```
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11108
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Haemophilus influenzae
US-09-815-242-11108
```

```
Query Match      0.4%; Score 7; DB 3; Length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
Db      16 GKDKGKR 22
```

```
RESULT 142
US-10-282-122A-46575
; Sequence 46575, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
```

```
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46575
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-282-122A-46575
```

```
Query Match          0.4%; Score 7; DB 4; length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      94 GKDKGK 100
        |||||
Db      13 SGKDKGK 19
```

RESULT 143

```
US-10-282-122A-58297
; Sequence 58297; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58297
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Haemophilus influenzae
US-10-282-122A-58297
```

```
Query Match          0.4%; Score 7; DB 4; length 103;
```

```
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      95 GKDKGKR 101
        |||||
Db      16 GKDKGKR 22
```

RESULT 144

```
US-10-424-599-225215
; Sequence 225215, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 225215
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_4539C.1.pep
US-10-424-599-225215
```

```
Query Match          0.4%; Score 7; DB 4; length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1232 GVDPDSL 1238
        |||||
Db      97 GVDPDSL 103
```

RESULT 145

```
US-09-741-669-297
; Sequence 297, Application US/09741669
; Patent No. US20020022718A1
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; TITLE OF INVENTION: Genes identified as required for
; TITLE OF INVENTION: proliferation of E. coli
; FILE REFERENCE: ELITRA.009A
; CURRENT APPLICATION NUMBER: US/09/741,669
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 60/173005
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 481
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 297
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-741-669-297
```

```
Query Match          0.4%; Score 7; DB 3; length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      95 GKDKGKR 101
        |||||
Db      16 GKDKGKR 22
```

RESULT 146

```
US-09-912-020-321
; Sequence 321, Application US/09912020
; Patent No. US2002004592A1
; GENERAL INFORMATION:
; APPLICANT: Zyskind, Judith
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Trawick, John
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Froelich, Jamie M.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN
; TITLE OF INVENTION: ESCHERICHIA COLI
; FILE REFERENCE: ELITRA.001DV1
; CURRENT APPLICATION NUMBER: US/09/912,020
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/492,709
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/117,405
; PRIOR FILING DATE: 1999-01-27
; NUMBER OF SEQ ID NOS: 485
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 321Z
; LENGTH: 104
; TYPE: PRT
; ORGANISM: E. Coli
US-09-912-020-321
```

```
Query Match      0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      95 GKDKGKR 101
        |||||
Db       16 GKDKGKR 22
```

```
RESULT 147
US-09-815-242-5168
; Sequence 5168, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5168
```

```
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5168
```

```
Query Match      0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      95 GKDKGKR 101
        |||||
Db       15 GKDKGKR 21
```

```
RESULT 148
US-09-815-242-10348
; Sequence 10348, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10348
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-815-242-10348
```

```
Query Match      0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      95 GKDKGKR 101
        |||||
Db       16 GKDKGKR 22
```

```
RESULT 149
US-09-815-242-14107
; Sequence 14107, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
```

```
/ APPLICANT: Carr, Grant J.
/ APPLICANT: Yamamoto, Robert T.
/ APPLICANT: Xu, H. Howard
/ TITLE OF INVENTION: Identification of Essential Genes in
/ FILE REFERENCE: ELITRA.011A
/ CURRENT APPLICATION NUMBER: US/09/815,242
/ CURRENT FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ NUMBER OF SEQ ID NOS: 14110
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 14107
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Salmonella typhi
/ FEATURE:
/ NAME/KEY: VARIANT
/ LOCATION: (1)...(104)
/ OTHER INFORMATION: Xaa = Any Amino Acid
US-09-815-242-14107
```

```
Query Match      0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDKGKR 101
      |||||
Db      16 GKDKGKR 22
```

```
RESULT 150
US-10-287-274-323
/ Sequence 323, Application US/10287274
/ Publication No. US20030181408A1
/ GENERAL INFORMATION:
/ APPLICANT: Forsyth, R. Allyn
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THEREC
/ FILE REFERENCE: ELITRA.008DV1
/ CURRENT APPLICATION NUMBER: US/10/287,274
/ CURRENT FILING DATE: 2002-10-31
/ PRIOR APPLICATION NUMBER: US 60/164415
/ PRIOR FILING DATE: 1999-11-09
/ PRIOR APPLICATION NUMBER: US 09/711164
/ PRIOR FILING DATE: 2000-11-09
/ NUMBER OF SEQ ID NOS: 469
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 323
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Escherichia coli
US-10-287-274-323
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDKGKR 101
      |||||
```

```
Db      16 GKDKGKR 22
```

```
RESULT 151
US-10-282-122A-42716
/ Sequence 42716, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 42716
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Escherichia coli
US-10-282-122A-42716
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDKGKR 101
      |||||
Db      16 GKDKGKR 22
```

```
RESULT 152
US-10-282-122A-43483
/ Sequence 43483, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
```



```
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43483
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-10-282-122A-43483

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDKGKR 101
DB      15 GKDKGKR 21

RESULT 153
US-10-282-122A-56112
; Sequence 56112, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
```

```
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56112
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Enterobacter cloacae
US-10-282-122A-56112

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDKGKR 101
DB      16 GKDKGKR 22

RESULT 154
US-10-282-122A-60112
; Sequence 60112, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
```

```
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 60112
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Klebsiella pneumoniae
US-10-282-122A-60112
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
      |||||
Db      16 GKDKGKR 22
```

RESULT 155

```
US-10-282-122A-67824
/ Sequence 67824, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
```

```
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
```

```
/ CURRENT APPLICATION NUMBER: US/10/282,122A
```

```
/ PRIOR FILING DATE: 2003-02-20
```

```
/ PRIOR APPLICATION NUMBER: 60/191,078
```

```
/ PRIOR FILING DATE: 2000-03-21
```

```
/ PRIOR APPLICATION NUMBER: 60/206,848
```

```
/ PRIOR FILING DATE: 2000-05-23
```

```
/ PRIOR APPLICATION NUMBER: 60/207,727
```

```
/ PRIOR FILING DATE: 2000-05-26
```

```
/ PRIOR APPLICATION NUMBER: 60/230,335
```

```
/ PRIOR FILING DATE: 2000-09-06
```

```
/ PRIOR APPLICATION NUMBER: 60/230,347
```

```
/ PRIOR FILING DATE: 2000-09-09
```

```
/ PRIOR APPLICATION NUMBER: 60/242,578
```

```
/ PRIOR FILING DATE: 2000-10-23
```

```
/ PRIOR APPLICATION NUMBER: 60/253,625
```

```
/ PRIOR FILING DATE: 2000-11-27
```

```
/ PRIOR APPLICATION NUMBER: 60/257,931
```

```
/ PRIOR FILING DATE: 2000-12-22
```

```
/ PRIOR APPLICATION NUMBER: 60/267,636
```

```
/ PRIOR FILING DATE: 2001-02-09
```

```
/ PRIOR APPLICATION NUMBER: 60/269,308
```

```
/ PRIOR FILING DATE: 2001-02-16
```

```
/ Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
/ NUMBER OF SEQ ID NOS: 78614
```

```
/ SOFTWARE: PatentIn version 3.1
```

```
/ SEQ ID NO 67824
```

```
/ LENGTH: 104
```

```
/ TYPE: PRT
```

```
/ ORGANISM: Pseudomonas putida
```

```
US-10-282-122A-67824
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
      |||||
Db      15 GKDKGKR 21
```

RESULT 156

```
US-10-282-122A-69234
/ Sequence 69234, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
```

```
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
```

```
/ CURRENT APPLICATION NUMBER: US/10/282,122A
```

```
/ PRIOR FILING DATE: 2003-02-20
```

```
/ PRIOR APPLICATION NUMBER: 60/191,078
```

```
/ PRIOR FILING DATE: 2000-03-21
```

```
/ PRIOR APPLICATION NUMBER: 60/206,848
```

```
/ PRIOR FILING DATE: 2000-05-23
```

```
/ PRIOR APPLICATION NUMBER: 60/207,727
```

```
/ PRIOR FILING DATE: 2000-05-26
```

```
/ PRIOR APPLICATION NUMBER: 60/230,335
```

```
/ PRIOR FILING DATE: 2000-09-06
```

```
/ PRIOR APPLICATION NUMBER: 60/230,347
```

```
/ PRIOR FILING DATE: 2000-09-09
```

```
/ PRIOR APPLICATION NUMBER: 60/242,578
```

```
/ PRIOR FILING DATE: 2000-10-23
```

```
/ PRIOR APPLICATION NUMBER: 60/253,625
```

```
/ PRIOR FILING DATE: 2000-11-27
```

```
/ PRIOR APPLICATION NUMBER: 60/257,931
```

```
/ PRIOR FILING DATE: 2000-12-22
```

```
/ PRIOR APPLICATION NUMBER: 60/267,636
```

```
/ PRIOR FILING DATE: 2001-02-09
```

```
/ PRIOR APPLICATION NUMBER: 60/269,308
```

```
/ PRIOR FILING DATE: 2001-02-16
```

```
/ Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
/ NUMBER OF SEQ ID NOS: 78614
```

```
/ SOFTWARE: PatentIn version 3.1
```

```
/ SEQ ID NO 69234
```

```
/ LENGTH: 104
```

```
/ TYPE: PRT
```

```
/ ORGANISM: Pseudomonas syringae
```

```
US-10-282-122A-69234
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
      |||||
Db      15 GKDKGKR 21
```

RESULT 157

```
US-10-282-122A-73568
```

```
/ Sequence 73568, Application US/10282122A
```

```
/ Publication No. US20040029129A1
```

```
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Wang, Liangsu
```

```
/ APPLICANT: Zamudio, Carlos
```

```
/ APPLICANT: Malone, Cheryl
```

```
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73568
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Salmonella paratyphi A
; US-10-282-122A-73568

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDKGKR 101
Db      16 GKDKGKR 22

RESULT 158
US-10-282-122A-75721
; Sequence 75721, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
```

```
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75721
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Salmonella typhi
; US-10-282-122A-75721

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDKGKR 101
Db      16 GKDKGKR 22

RESULT 159
US-10-282-122A-78268
; Sequence 78268, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
```

```
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78268
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Yersinia pestis
US-10-282-122A-78268
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
Db      16 GKDKGKR 22
```

```
RESULT 160
US-10-425-114-50705
; Sequence 50705, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 50705
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3957-001-A3_FLI.pep
US-10-425-114-50705
```

```
Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      1303 LLLPHCL 1309
Db      55 LLLPHCL 61
```

```
RESULT 161
US-10-771-241-321
; Sequence 321, Application US/10771241
; Publication No. US20040241715A1
; GENERAL INFORMATION:
; APPLICANT: Zyskind, Judith
; APPLICANT: Forsyth, R. Allyn
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN
; TITLE OF INVENTION: ESCHERICHIA COLI
; FILE REFERENCE: ELITRA.001C1
; CURRENT APPLICATION NUMBER: US/10/771,241
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: 09/492,709
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/117,405
; PRIOR FILING DATE: 1999-01-27
```

```
; NUMBER OF SEQ ID NOS: 485
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 321
; LENGTH: 104
; TYPE: PRT
; ORGANISM: E. Coli
US-10-771-241-321
```

```
Query Match      0.4%; Score 7; DB 5; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      95 GKDKGKR 101
Db      16 GKDKGKR 22
```

```
RESULT 162
US-09-738-973-113
; Sequence 113, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-738-973-113
```

```
Query Match      0.4%; Score 7; DB 3; Length 107;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy      1419 ECPPPPS 1425
Db      87 ECPPPPS 93
```

```
RESULT 163
US-09-854-133-113
; Sequence 113, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
```


; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-854-133-113

Query Match 0.4%; Score 7; DB 3; Length 107;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPS 1425
|||
Db 87 ECPPPS 93

RESULT 164
US-10-144-649A-113
; Sequence 113, Application US/10144649A
; Publication No. US2003011859A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-144-649A-113

Query Match 0.4%; Score 7; DB 4; Length 107;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPS 1425
|||
Db 87 ECPPPS 93

RESULT 165
US-10-424-599-149280
; Sequence 149280, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 149280
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_105823C.1.pap
US-10-424-599-149280

Query Match 0.4%; Score 7; DB 4; Length 107;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
|||
Db 54 RRERLL 60

RESULT 166
US-10-425-115-276283
; Sequence 276283, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 276283
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_183554C.1.pap
US-10-425-115-276283

Query Match 0.4%; Score 7; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 6.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1109 LNFSSP 1115
|||
Db 98 LNFSSP 104

RESULT 167
US-09-815-242-5029
; Sequence 5029, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 5029

; LENGTH: 110
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(110)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-815-242-5029

Query Match 0.4%; Score 7; DB 3; Length 110;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 303 EGLNPV 309
|||||
Db 52 EGLNPV 58

RESULT 168

US-10-425-115-189285
; Sequence 189285, Application US/10425115
; Publication No: US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; NUMBER OF SEQ ID NOS: 2003-04-28
; SEQ ID NO 189285
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_104213C.1.pep
US-10-425-115-189285

Query Match 0.4%; Score 7; DB 4; Length 110;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 387 SWNRDQ 393
|||||
Db 33 SWNRDQ 39

RESULT 169

US-10-767-701-32346
; Sequence 32346, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; NUMBER OF SEQ ID NOS: 2004-01-29
; SEQ ID NO 32346
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C125652_1.pep
US-10-767-701-32346

Query Match 0.4%; Score 7; DB 4; Length 111;

Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 169 SCRSLL 175
|||||
Db 54 SCRSLL 60

RESULT 170

US-10-425-115-216434
; Sequence 216434, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; NUMBER OF SEQ ID NOS: 2003-04-28
; SEQ ID NO 216434
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_128990C.1.pep
US-10-425-115-216434

Query Match 0.4%; Score 7; DB 4; Length 111;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 639 VYDRASG 645
|||||
Db 2 VYDRASG 8

RESULT 171

US-10-425-115-216152
; Sequence 216152, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; NUMBER OF SEQ ID NOS: 2003-04-28
; SEQ ID NO 216152
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_128724C.1.pep
US-10-425-115-216152

Query Match 0.4%; Score 7; DB 4; Length 112;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 39 LLRPV 45
|||||
Db 74 LLRPV 80

RESULT 172

```
US-10-425-115-350710
; Sequence 350710, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 350710
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_83018C.1.pep
US-10-425-115-350710

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 112;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPL 873
Db 98 GEASPL 104

RESULT 173
US-10-425-114-68056
; Sequence 68056, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68056
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73019C03_FLI.pep
US-10-425-114-68056

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 114;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 718 CSLELFF 724
Db 19 CSLELFF 25

RESULT 174
US-09-864-408A-4214
; Sequence 4214, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1el Human Polynucleotides and Polypeptides Ence
```

```
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4214
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(1)
; OTHER INFORMATION: Wherein Xaa may be any naturally occurring amino acid
US-09-864-408A-4214

Query Match
Best Local Similarity 100.0%; Score 7; DB 3; Length 115;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
Db 48 ATDLVLT 54

RESULT 175
US-10-437-963-162708
; Sequence 162708, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 162708
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_61774C.1.pep
US-10-437-963-162708

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 118;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1040 GEARAIF 1046
Db 64 GEARAIF 70

RESULT 176
US-10-425-115-200841
; Sequence 200841, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
```

```
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 200841
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_114754C.1.pep
US-10-425-115-200841

Query Match      0.4%; Score 7; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      41 LRPEVLA 47
Db      90 LRPEVLA 96

RESULT 177
US-10-425-115-254171
; Sequence 254171, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 254171
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(120)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_163384C.1.pep
US-10-425-115-254171

Query Match      0.4%; Score 7; DB 4; Length 120;
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      310 SEEQIRL 316
Db      55 SEEQIRL 61

RESULT 178
US-10-767-701-38665
; Sequence 38665, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 38665
; LENGTH: 123
```

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; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(123)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C68215_1.pep
US-10-767-701-38665

Query Match      0.4%; Score 7; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1421 PPPSEL 1427
Db      17 PPPSEL 23

RESULT 179
US-10-425-115-310393
; Sequence 310393, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 310393
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_46136C.1.pep
US-10-425-115-310393

Query Match      0.4%; Score 7; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      36 RERLLR 42
Db      88 RERLLR 94

RESULT 180
US-10-425-115-233169
; Sequence 233169, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 233169
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(124)
```



```
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_144244C.1.pep
US-10-425-115-233169

Query Match          0.4%; Score 7; DB 4; Length 124;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1266 LOGLSPW 1272
        |||||
Db      63 LOGLSPW 69

RESULT 181
US-10-109-048-1009
; Sequence 1009, Application US/10109048
; Publication No. US20040107461A1
; GENERAL INFORMATION:
; APPLICANT: COMMURI, PADMA
; APPLICANT: KEELING, PETER L.
; APPLICANT: RAMIREZ, NONA
; APPLICANT: MCKEAN, ANGELA
; APPLICANT: GAO, ZHONG
; APPLICANT: GUAN, HANPING
; TITLE OF INVENTION: GLUCAN CHAIN LENGTH DOMAINS
; FILE REFERENCE: 2461-76
; CURRENT APPLICATION NUMBER: US/10/109,048
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: 60/279,720
; NUMBER OF SEQ ID NOS: 1154
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1009
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Accession No. 15672681
US-10-109-048-1009

Query Match          0.4%; Score 7; DB 4; Length 127;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      780 VDGKVSF 786
        |||||
Db      72 VDGKVSF 78

RESULT 182
US-10-109-048-1014
; Sequence 1014, Application US/10109048
; Publication No. US20040107461A1
; GENERAL INFORMATION:
; APPLICANT: COMMURI, PADMA
; APPLICANT: KEELING, PETER L.
; APPLICANT: RAMIREZ, NONA
; APPLICANT: MCKEAN, ANGELA
; APPLICANT: GAO, ZHONG
; APPLICANT: GUAN, HANPING
; TITLE OF INVENTION: GLUCAN CHAIN LENGTH DOMAINS
; FILE REFERENCE: 2461-76
; CURRENT APPLICATION NUMBER: US/10/109,048
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: 60/279,720
; NUMBER OF SEQ ID NOS: 1154
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1014
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Unknown Organism
```

```
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Accession No. 17366711
US-10-109-048-1014

Query Match          0.4%; Score 7; DB 4; Length 127;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      780 VDGKVSF 786
        |||||
Db      72 VDGKVSF 78

RESULT 183
US-10-425-115-230541
; Sequence 230541, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: KOVALIC, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 230541
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_141849C.1.pep
US-10-425-115-230541

Query Match          0.4%; Score 7; DB 4; Length 131;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      461 EDLAGAA 467
        |||||
Db      77 EDLAGAA 83

RESULT 184
US-10-437-963-126586
; Sequence 126586, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: KOVALIC, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126586
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_29117C.1.pep
US-10-437-963-126586

Query Match          0.4%; Score 7; DB 4; Length 132;
```

Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1123 ALRTSSR 1129
|||
Db 39 ALRTSSR 45

RESULT 185

US-10-424-599-263279
; Sequence 263279, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 263279
; LENGTH: 133
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_79763C.1.pep
US-10-424-599-263279

Query Match 0.4%; Score 7; DB 4; Length 133;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GIYTPKG 953
|||
Db 62 GIYTPKG 68

RESULT 186

US-10-437-963-158476
; Sequence 158476, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 158476
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(134)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_57948C.1.pep
US-10-437-963-158476

Query Match 0.4%; Score 7; DB 4; Length 134;
Best Local Similarity 100.0%; Pred. No. 8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 860 AEAGEL 866
|||
Db 33 AEAGEL 39

RESULT 187

US-10-425-114-41883
; Sequence 41883, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 41883
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3075-045-G5_FLI.pep
US-10-425-114-41883

Query Match 0.4%; Score 7; DB 4; Length 136;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GVALGIR 93
|||
Db 130 GVALGIR 136

RESULT 188

US-10-425-115-236643
; Sequence 236643, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 236643
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_147401C.1.pep
US-10-425-115-236643

Query Match 0.4%; Score 7; DB 4; Length 138;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPL 873
|||
Db 65 GEASPL 71

```
RESULT 189
US-10-425-115-263909
; Sequence 263909, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 263909
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_172299C.1.pep
US-10-425-115-263909

Query Match          0.4%; Score 7; DB 4; Length 138;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      169 SCRSLLL 175
Db      11 SCRSLLL 17

RESULT 190
US-10-424-599-150902
; Sequence 150902, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 150902
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_107289C.1.pep
US-10-424-599-150902

Query Match          0.4%; Score 7; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 8.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1419 ECPPPPS 1425
Db      77 ECPPPPS 83

RESULT 191
US-10-437-963-135386
; Sequence 135386, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
```

```
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 135386
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(139)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_37068C.1.pep
US-10-437-963-135386

Query Match          0.4%; Score 7; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 8.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1052 DGLVPE 1058
Db      24 DGLVPE 30

RESULT 192
US-10-425-115-223112
; Sequence 223112, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 223112
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_135068C.1.pep
US-10-425-115-223112

Query Match          0.4%; Score 7; DB 4; Length 142;
Best Local Similarity 100.0%; Pred. No. 8.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      564 RFPGAPF 570
Db      62 RFPGAPF 68

RESULT 193
US-10-425-115-196358
; Sequence 196358, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
```

```
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 196358
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(143)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_110665C.1.pep
US-10-425-115-196358
```

```
Query Match      0.4%; Score 7; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      473 KDAVTHL 479
Db      91 KDAVTHL 97
```

```
RESULT 194
US-11-097-143-39795
; Sequence 39795, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39795
; LENGTH: 143
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-39795
```

```
Query Match      0.4%; Score 7; DB 6; Length 143;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1161 DSCPSLL 1167
Db      16 DSCPSLL 22
```

RESULT 195

```
US-10-424-599-206661
; Sequence 206661, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 206661
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(144)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_28642C.1.pep
US-10-424-599-206661
```

```
Query Match      0.4%; Score 7; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      218 ATDLVLT 224
Db      83 ATDLVLT 89
```

```
RESULT 196
US-10-805-684-73
; Sequence 73, Application US/10805684
; Publication No. US20050100966A1
; GENERAL INFORMATION:
; APPLICANT: SAKAMOTO, TAKESHI
; APPLICANT: TAKEDA, SHIZU
; TITLE OF INVENTION: PHOS-INTERACTING PROTEINS AND USE THEREOF
; FILE REFERENCE: 58748(70342)
; CURRENT APPLICATION NUMBER: US/10/805,684
; CURRENT FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/455,766
; PRIOR FILING DATE: 2003-03-19
; PRIOR APPLICATION NUMBER: 60/459,936
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: 60/460,103
; PRIOR FILING DATE: 2003-04-02
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 73
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-805-684-73
```

```
Query Match      0.4%; Score 7; DB 5; Length 144;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      863 GGELGEA 869
Db      37 GGELGEA 43
```

```
RESULT 197
US-10-437-963-178775
; Sequence 178775, Application US/10437963
; Publication No. US20040123343A1
```



```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 178775
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_76299C.1.pep
US-10-437-963-178775

Query Match          0.4%; Score 7; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1165 SLLDHA 1171
DB      103 SLLDHA 109

RESULT 198
US-10-424-599-249722
; Sequence 249722, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 249722
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_67528C.1.pep
US-10-424-599-249722

Query Match          0.4%; Score 7; DB 4; Length 148;
Best Local Similarity 100.0%; Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1419 ECPPPPS 1425
DB      58 ECPPPPS 64

RESULT 199
US-10-437-963-126703
; Sequence 126703, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
```

```
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126703
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(150)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_29223C.1.pep
US-10-437-963-126703

Query Match          0.4%; Score 7; DB 4; Length 150;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      810 PLCGCR 816
DB      141 PLCGCR 147

RESULT 200
US-10-767-701-59069
; Sequence 59069, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 59069
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 6859340.pep
US-10-767-701-59069

Query Match          0.4%; Score 7; DB 4; Length 152;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1132 LSAPSNC 1138
DB      9 LSAPSNC 15

RESULT 201
US-10-425-115-360242
; Sequence 360242, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
```

```
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 360242
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(153)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_91719C.1.pep
US-10-425-115-360242
```

```
Query Match          0.4%; Score 7; DB 4; Length 153;
Best Local Similarity 100.0%; Pred. No. 9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1111 NFSSPRV 1117
Db       54 NFSSPRV 60
```

```
RESULT 202
US-10-385-415-98
; Sequence 98, Application US/10385415
; Publication No. US20040014158A1
; GENERAL INFORMATION:
; APPLICANT: Bacher, Adelbert
; APPLICANT: Fischer, Markus
; TITLE OF INVENTION: PROTEIN CONJUGATES, METHOD, VECTORS, PROTEINS AND DNA FOR
; TITLE OF INVENTION: PRODUCING THEM, THEIR USE AND MEDICAMENTS AND VACCINES CONTAININ
; TITLE OF INVENTION: A CERTAIN QUANTITITY OF SAID PROTEIN CONJUGATES
; FILE REFERENCE: 9286.6CT
; CURRENT APPLICATION NUMBER: US/10/385,415
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: US 09/936,028
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: PCT/EP00/01899
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: DE 19910102.7
; PRIOR FILING DATE: 1999-03-08
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: Patentln version 3.2
; SEQ ID NO 98
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Aquifex aeolicus
US-10-385-415-98
```

```
Query Match          0.4%; Score 7; DB 4; Length 154;
Best Local Similarity 100.0%; Pred. No. 9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1462 ITADTLE 1468
Db       116 ITADTLE 122
```

```
RESULT 203
US-09-917-340-29
; Sequence 29, Application US/09917340
; Patent No. US20020090369A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Christopher J.
; APPLICANT: McAnulty, Jonathan F.
; APPLICANT: Reid, Ted W.
; TITLE OF INVENTION: Transplant Media
; FILE REFERENCE: TPLANT-06468
; CURRENT APPLICATION NUMBER: US/09/917,340
; CURRENT FILING DATE: 2001-07-29
```

```
; PRIOR APPLICATION NUMBER: 60/221,632
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/249,602
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/290,932
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 29
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-917-340-29
```

```
Query Match          0.4%; Score 7; DB 3; Length 155;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      425 DPDSPKR 431
Db       69 DPDSPKR 75
```

```
RESULT 204
US-10-344-709C-8
; Sequence 8, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 8
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-8
```

```
Query Match          0.4%; Score 7; DB 4; Length 155;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      425 DPDSPKR 431
Db       69 DPDSPKR 75
```

```
RESULT 205
US-10-844-837-29
; Sequence 29, Application US/10844837
; Publication No. US20050014932A1
; GENERAL INFORMATION:
; APPLICANT: Imboden, Michael
; APPLICANT: Homan, Jane
; APPLICANT: Bremel, Robert D.
; TITLE OF INVENTION: Targeted Biocides
; FILE REFERENCE: IOGEN-09014
; CURRENT APPLICATION NUMBER: US/10/844,837
; CURRENT FILING DATE: 2004-05-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: Patentln version 3.2
; SEQ ID NO 29
; LENGTH: 155
```

TYPE: PRT
ORGANISM: Bos taurus
US-10-844-837-29

Query Match 0.4%; Score 7; DB 5; Length 155;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 425 DPDSPKR 431
Db 69 DPDSPKR 75

RESULT 206
US-10-909-119-44
Sequence 44, Application US/10909119
Publication No. US20050079578A1
GENERAL INFORMATION:
APPLICANT: Centani, John M.
APPLICANT: Allen-Hoffmann, Lynn
TITLE OF INVENTION: Human Skin Equivalents Expressing Exogenous Polypeptides
FILE REFERENCE: STRATA-09123
CURRENT APPLICATION NUMBER: US/10/909,119
CURRENT FILING DATE: 2004-07-30
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.2
SEQ ID NO 44
LENGTH: 155
TYPE: PRT
ORGANISM: Bos taurus
US-10-909-119-44

Query Match 0.4%; Score 7; DB 5; Length 155;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 425 DPDSPKR 431
Db 69 DPDSPKR 75

RESULT 207
US-10-657-851-29
Sequence 29, Application US/10657851
Publication No. US20050089836A1
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McNulty, Jonathan F.
APPLICANT: Reid, Ted W.
TITLE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: US/10/657,851
CURRENT FILING DATE: 2003-09-09
PRIOR APPLICATION NUMBER: US/09/917,340
PRIOR FILING DATE: 2001-07-29
PRIOR APPLICATION NUMBER: 60/221,632
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/249,602
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 29
LENGTH: 155
TYPE: PRT
ORGANISM: Bos taurus
US-10-657-851-29

Query Match 0.4%; Score 7; DB 5; Length 155;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 425 DPDSPKR 431
Db 69 DPDSPKR 75

RESULT 208
US-10-424-599-222160
Sequence 222160, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 222160
LENGTH: 157
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_4263C.1.pep
US-10-424-599-222160

Query Match 0.4%; Score 7; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1419 ECPPEPS 1425
Db 58 ECPPEPS 64

RESULT 209
US-10-437-963-180327
Sequence 180327, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 180327
LENGTH: 157
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(157)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_77705C.1.pep
US-10-437-963-180327

Query Match 0.4%; Score 7; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 805 SQPHSPL 811

Db 49 SQPHSPL 55

RESULT 210

US-10-767-701-61942
; Sequence 61942, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 61942
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 9853904.pep
US-10-767-701-61942

Query Match 0.4%; Score 7; DB 4; Length 158;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 32 FSGRRER 38
Db 129 FSGRRER 135

RESULT 211

US-10-424-599-167313
; Sequence 167313, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 167313
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_122100C.1.pep
US-10-424-599-167313

Query Match 0.4%; Score 7; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 171 RSLLLGG 177
Db 116 RSLLLGG 122

RESULT 212

US-10-767-701-59085
; Sequence 59085, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 59085
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 6859502.pep
US-10-767-701-59085

Query Match 0.4%; Score 7; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1111 NFSSPRV 1117
Db 128 NFSSPRV 134

RESULT 213

US-10-369-493-22406
; Sequence 22406, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 22406
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-369-493-22406

Query Match 0.4%; Score 7; DB 4; Length 161;
Best Local Similarity 100.0%; Pred. No. 9.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 158 QSGPLNS 164
Db 9 QSGPLNS 15

RESULT 214

US-10-425-115-317008
; Sequence 317008, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326


```
; SEQ ID NO 317008
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_52184C.1.pep
US-10-425-115-317008
```

```
Query Match          0.4%; Score 7; DB 4; Length 161;
Best Local Similarity 100.0%; Pred. No. 9.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      866 LGEASPP 872
        |||||
Db       92 LGEASPP 98
```

RESULT 215

```
US-09-882-227-82
; Sequence 82, Application US/09882227
; Publication No. US20030158396A1
; GENERAL INFORMATION:
; APPLICANT: Kleanthous, Harold
; APPLICANT: Al-Garawi, Amal
; APPLICANT: Miller, Charles
; APPLICANT: Tomb, Jean-Francois
; APPLICANT: Oocmen, Raymond P.
; TITLE OF INVENTION: Identification of Polynucleotides
; TITLE OF INVENTION: Encoding No. US20030158396A1el Helicobacter Polypeptides in the
; TITLE OF INVENTION: Genome
; FILE REFERENCE: 06132/047002
; CURRENT APPLICATION NUMBER: US/09/882,227
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 08/902,615
; PRIOR FILING DATE: 1997-07-29
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 82
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Helicobacter pylori
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 32
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-882-227-82
```

```
Query Match          0.4%; Score 7; DB 3; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1124 LRTSSRI 1130
        |||||
Db       127 LRTSSRI 133
```

RESULT 216

```
US-10-767-701-38518
; Sequence 38518, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 38518
; LENGTH: 162
; TYPE: PRT
```

```
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C61889_1.pep
US-10-767-701-38518
```

```
Query Match          0.4%; Score 7; DB 4; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      245 LEVLQGF 251
        |||||
Db       68 LEVLQGF 74
```

RESULT 217

```
US-10-805-684-72
; Sequence 72, Application US/10805684
; Publication No. US20050100966A1
; GENERAL INFORMATION:
; APPLICANT: SAKAMOTO, TAKESHI
; APPLICANT: TAKEDA, SHIZU
; TITLE OF INVENTION: PHOS-INTERACTING PROTEINS AND USE THEREOF
; FILE REFERENCE: 58748(70342)
; CURRENT APPLICATION NUMBER: US/10/805,684
; CURRENT FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/455,766
; PRIOR FILING DATE: 2003-03-19
; PRIOR APPLICATION NUMBER: 60/459,936
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: 60/460,103
; PRIOR FILING DATE: 2003-04-02
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 72
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-805-684-72
```

```
Query Match          0.4%; Score 7; DB 5; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      863 GGEI GEA 869
        |||||
Db       37 GGEI GEA 43
```

RESULT 218

```
US-10-437-963-102587
; Sequence 102587, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 102587
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
```

LOCATION: (1)..(165)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_100096C.1.pep
US-10-437-963-102587

Query Match 0.4%; Score 7; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1234 PDPSLVN 1240
Db 87 PDPSLVN 93

RESULT 219
US-10-424-599-274517
Sequence 274517, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ. ID NOS: 285684
SEQ ID NO 274517
LENGTH: 166
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_89911C.1.pep
US-10-424-599-274517

Query Match 0.4%; Score 7; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1172 DVVNCTG 1178
Db 159 DVVNCTG 165

RESULT 220
US-10-425-115-250906
Sequence 250906, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 250906
LENGTH: 167
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: MRT4577_160413C.1.pep
US-10-425-115-250906

Query Match 0.4%; Score 7; DB 4; Length 167;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 799 DAALLTS 805
Db 112 DAALLTS 118

RESULT 221
US-10-282-122A-65507
Sequence 65507, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR FILING DATE: 60/191,078
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65507
LENGTH: 169
TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
US-10-282-122A-65507

Query Match 0.4%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 48 EIPREAF 54
Db 86 EIPREAF 92

RESULT 222
US-10-282-122A-65794
Sequence 65794, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65794
LENGTH: 169
TYPE: PRT
ORGANISM: Neisseria meningitidis
US-10-282-122A-65794

Query Match 0.4%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 EIPREAF 54
Db 86 EIPREAF 92

RESULT 223
US-10-510-408-16
Sequence 16, Application US/10510408
Publication No. US20050221423A1
GENERAL INFORMATION:
APPLICANT: Jorgensen, Steen Troels
APPLICANT: Olsen, Peter Bjarke
APPLICANT: Andersen, Jens Tonne
APPLICANT: Rasmussen, Michael Dolberg
TITLE OF INVENTION: Improved Bacillus Host Cell
FILE REFERENCE: 10295.204-US
CURRENT APPLICATION NUMBER: US/10/510,408
CURRENT FILING DATE: 2004-10-05
NUMBER OF SEQ ID NOS: 191
SOFTWARE: PatentIn version 3.3
SEQ ID NO 16
LENGTH: 170
TYPE: PRT
ORGANISM: Bacillus licheniformis
US-10-510-408-16

Query Match 0.4%; Score 7; DB 5; Length 170;

Best Local Similarity 100.0%; Pred. No. 9.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 364 DPECEHP 370
Db 12 DPECEHP 18

RESULT 224
US-10-296-115-1129
Sequence 1129, Application US/10296115
Publication No. US20040053248A1
GENERAL INFORMATION:
APPLICANT: Hysed Inc
TITLE OF INVENTION: No. US20040053248A1 Nucleic Acids and Polypeptides
FILE REFERENCE: 784PCT
CURRENT APPLICATION NUMBER: US/10/296,115
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
NUMBER OF SEQ ID NOS: 1478
SEQ ID NO 1129
LENGTH: 174
TYPE: PRT
ORGANISM: Homo sapiens
US-10-296-115-1129

Query Match 0.4%; Score 7; DB 4; Length 174;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEEEA 218
Db 168 SSGEEEA 174

RESULT 225
US-10-425-115-364462
Sequence 364462, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 364462
LENGTH: 174
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(174)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: MRT4577_95558C.1.pep
US-10-425-115-364462

Query Match 0.4%; Score 7; DB 4; Length 174;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GVALGIR 93
Db 168 GVALGIR 174

RESULT 226

US-11-097-143-29058

; Sequence 29058, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; TITLE OF INVENTION: DROSOPHILA GENES.

; FILE REFERENCE: CL000728

; CURRENT APPLICATION NUMBER: US/11/097,143

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: 60/157,832

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: 60/160,191

; PRIOR FILING DATE: 1999-10-19

; PRIOR APPLICATION NUMBER: 60/161,932

; PRIOR FILING DATE: 1999-10-28

; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12

; PRIOR APPLICATION NUMBER: 60/173,383

; PRIOR FILING DATE: 1999-12-28

; PRIOR APPLICATION NUMBER: 60/175,693

; PRIOR FILING DATE: 2000-01-12

; PRIOR APPLICATION NUMBER: 60/184,831

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: 60/191,637

; PRIOR FILING DATE: 2000-03-23

; NUMBER OF SEQ ID NOS: 43008

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 29058

; LENGTH: 178

; TYPE: PRT

; ORGANISM: DROSOPHILA

US-11-097-143-29058

Query Match

Best Local Similarity 0.4%; Score 7; DB 6; Length 178;

Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

OY 828 PASGLPV 834

Db 4 PASGLPV 10

RESULT 227

US-10-425-114-49967

; Sequence 49967, Application US/10425114

; Publication No. US20040034888A1

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(5313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 49967

; LENGTH: 180

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: 700224187_FLI.pep

US-10-425-114-49967

Query Match

0.4%; Score 7; DB 4; Length 180;

Best Local Similarity 100.0%; Pred. No. 1e+03; Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

OY 718 CSLELFF 724

Db 19 CSLELFF 25

RESULT 228

US-10-425-115-315099

; Sequence 315099, Application US/10425115

; Publication No. US20040214272A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO 315099

; LENGTH: 180

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(180)

; OTHER INFORMATION: unsure at all Xaa locations

; FEATURE:

; OTHER INFORMATION: Clone ID: MRT4577_5042C.1.pep

US-10-425-115-315099

Query Match

Best Local Similarity 0.4%; Score 7; DB 4; Length 180;

Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

OY 863 GGELGEA 869

Db 124 GGELGEA 130

RESULT 229

US-10-017-161-1544

; Sequence 1544, Application US/10017161

; Publication No. US20030143668A1

; GENERAL INFORMATION:

; APPLICANT: SUWA, MAKIKO

; APPLICANT: ASAI, KIYOSHI

; APPLICANT: AKIYAMA, YUTAKA

; APPLICANT: ABURATANI, HIROYUKI

; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS

; FILE REFERENCE: 084335/0152

; CURRENT APPLICATION NUMBER: US/10/017,161

; CURRENT FILING DATE: 2002-12-18

; PRIOR APPLICATION NUMBER: JP 2001/246789

; PRIOR FILING DATE: 2001-06-18

; NUMBER OF SEQ ID NOS: 2430

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1544

; LENGTH: 181

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-017-161-1544

Query Match

0.4%; Score 7; DB 4; Length 181;

Best Local Similarity 100.0%; Pred. No. 1e+03; Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

OY 103 ARFFFSL 109

Db ARFFFSL 109

Db 86 ARFFESL 92

RESULT 230

US-10-424-599-282418
; Sequence 282418, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 282418
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_97045C.1.pep
US-10-424-599-282418

Query Match

0.4%; Score 7; DB 4; Length 181;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 857 QVLAEG 863
|||||

Db 52 QVLAEG 58

RESULT 231

US-10-424-599-156286
; Sequence 156286, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 156286
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(182)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_112147C.1.pep
US-10-424-599-156286

Query Match

0.4%; Score 7; DB 4; Length 182;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 795 RIEIDAA 801
|||||

Db 125 RIEIDAA 131

RESULT 232

US-10-699-035A-28

; Sequence 28, Application US/10699035A
; Publication No. US20040214349A1
; GENERAL INFORMATION:
; APPLICANT: Bateman, John
; APPLICANT: Fitzgerald, David
; TITLE OF INVENTION: A Molecular Marker
; FILE REFERENCE: A36056 PCT USA A 071838.0142
; CURRENT APPLICATION NUMBER: US/10/699,035A
; CURRENT FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: PCT/AU02/00542
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: AU PR4701/01
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VA domain from matrillin-3
US-10-699-035A-28

Query Match

0.4%; Score 7; DB 4; Length 185;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 52 EAFYVEA 58
|||||

Db 92 EAFYVEA 98

RESULT 233

US-10-501-282-5416
; Sequence 5416, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: MCMICHAEL, JOHN CALHOON
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID PARRISH
; APPLICANT: FLETCHER, LEAH DIANE
; TITLE OF INVENTION: ALLOIOCOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: AM100780 L2
; CURRENT APPLICATION NUMBER: US/10/501,282
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: 60/333,777
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 60/426,742
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: PCT/US02/36123
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5416
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Alloiococcus otitidis
US-10-501-282-5416

Query Match

0.4%; Score 7; DB 5; Length 185;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1022 GSLKKED 1028
|||||

Db 179 GSLKKED 185

RESULT 234

US-10-425-114-68575
; Sequence 68575, Application US/10425114
; Publication No. US20040034888A1

```
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68575
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17133D11_Fli.pep
US-10-425-114-68575

Query Match          0.4%; Score 7; DB 4; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1253 LKRCIS 1259
        |||||
Db       168 LKRCIS 174

RESULT 235
US-10-351-951-3
; Sequence 3, Application US/10351951
; Publication No. US20030203380A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Stefan E.
; TITLE OF INVENTION: GENE LINKED TO OSTEOARTHRITIS
; FILE REFERENCE: 2345.2043-004
; CURRENT APPLICATION NUMBER: US/10/351,951
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 10/057,312
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 60/431,538
; PRIOR FILING DATE: 2002-12-05
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-351-951-3

Query Match          0.4%; Score 7; DB 4; Length 189;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      52 EAFVFA 58
        |||||
Db       98 EAFVFA 104

RESULT 236
US-10-472-928-1876
; Sequence 1876, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: P026926WO
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
```

```
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: Seqwin99, version 1.03
; SEQ ID NO 1876
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: acetyltransferase, GNAT family
; OTHER INFORMATION: Cellular location: cytoplasm
; OTHER INFORMATION: Similar to strain R6 sequence 15902899 (e-103)
US-10-472-928-1876

Query Match          0.4%; Score 7; DB 5; Length 189;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      37 ERLLRP 43
        |||||
Db       17 ERLLRP 23

RESULT 237
US-10-450-763-45016
; Sequence 45016, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 45016
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(189)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-45016

Query Match          0.4%; Score 7; DB 5; Length 189;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      664 ASSRRVC 670
        |||||
Db       40 ASSRRVC 46

RESULT 238
US-10-437-963-175224
; Sequence 175224, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
```

```
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 175224
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_73090C.1.pep
US-10-437-963-175224

Query Match          0.4%; Score 7; DB 4; Length 194;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      866 LGASPP 872
Db      43 LGASPP 49

RESULT 239
US-11-097-143-35403
; Sequence 35403, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: C1000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35403
; LENGTH: 195
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-35403

Query Match          0.4%; Score 7; DB 6; Length 195;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      152 VASSLDQ 158
Db      156 VASSLDQ 162

RESULT 240
US-10-282-122A-77856
; Sequence 77856, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77856
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Versinia pestis
US-10-282-122A-77856

Query Match          0.4%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1127 SSRIGLS 1133
Db      50 SSRIGLS 56

RESULT 241
US-10-425-115-296554
; Sequence 296554, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 296554
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Zea mays
```

```
/ FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_33531C.1.pep
US-10-425-115-296554

Query Match      0.4%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      310 SEQIRL 316
DB      95 SEQIRL 101

RESULT 242
US-10-450-763-46391
; Sequence 46391, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 46391
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-46391

Query Match      0.4%; Score 7; DB 5; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      258 LSPLQPP 264
DB      32 LSPLQPP 38

RESULT 243
US-10-282-122A-69070
; Sequence 69070, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
```

```
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69070
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-10-282-122A-69070

Query Match      0.4%; Score 7; DB 4; Length 198;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1128 SRIGLSA 1134
DB      51 SRIGLSA 57

RESULT 244
US-10-437-963-142091
; Sequence 142091, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; PRIOR FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 142091
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_43130C.1.pep
US-10-437-963-142091

Query Match      0.4%; Score 7; DB 4; Length 198;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1311 DNHDVGT 1317
DB      20 DNHDVGT 26

RESULT 245
US-10-921-023-40
; Sequence 40, Application US/10921023
; Publication No. US20050095677A1
; GENERAL INFORMATION:
```



```
; APPLICANT: LIU, QIANG-YUAN
; APPLICANT: NAMBI, PONNAL
; TITLE OF INVENTION: NOVEL HUMAN LXRa VARIANTS
; FILE REFERENCE: 36119.151US2
; CURRENT APPLICATION NUMBER: US/10/921,023
; CURRENT FILING DATE: 2004-08-18
; PRIOR APPLICATION NUMBER: 60/496,007
; PRIOR FILING DATE: 2003-08-18
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-921-023-40

Query Match      0.4%; Score 7; DB 5; Length 199;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      310 SEEQIRL 316
Db      20 SEEQIRL 26

RESULT 246
US-10-282-122A-51043
; Sequence 51043, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyeth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51043
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Bordetella pertussis
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US-10-282-122A-51043

Query Match      0.4%; Score 7; DB 4; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      69 PAIAGV 75
Db      14 PAIAGV 20

RESULT 247
US-10-282-122A-52842
; Sequence 52842, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyeth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52842
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Clostridium botulinum
US-10-282-122A-52842

Query Match      0.4%; Score 7; DB 4; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      95 GKDKGR 101
Db      116 GKDKGR 122

RESULT 248
US-10-617-320-3611
; Sequence 3611, Application US/10617320
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; Publication No. US20050136404A1
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; City: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,320
; FILING DATE: 10-Jul-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 893-5007
; TELEFAX: (781) 893-8277
; INFORMATION FOR SEQ ID NO: 3611:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 201 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1..201
; SEQUENCE DESCRIPTION: SEQ ID NO: 3611:
US-10-617-320-3611

Query Match 0.4%; Score 7; DB 5; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 ERLLRP 43
DB 29 ERLLRP 35

RESULT 249
US-10-282-122A-72720
; Sequence 72720, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John

; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72720
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Salmonella paratyphi A
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (63)..(63)
; OTHER INFORMATION: X=any amino acid
US-10-282-122A-72720

Query Match 0.4%; Score 7; DB 4; Length 203;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGLS 1133
DB 50 SSRIGLS 56

RESULT 250
US-10-424-599-219633
; Sequence 219633, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 219633
; LENGTH: 204
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_40357C.1.pep
US-10-424-599-219633

Query Match 0.4%; Score 7; DB 4; Length 204;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 644 SGSICGA 650
|||
Db 125 SGSICGA 131

Search completed: January 30, 2006, 15:38:29
Job time : 90 secs



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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:25:28 ; Search time 31 Seconds
(without alignments)
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Minimum DB seq length: 0

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Post-processing: Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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7	8	0.5	105	2	US-09-732-210-781
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15	8	0.5	4563	2	US-09-538-092-842
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20	7	0.4	18	2	US-09-615-917-2
21	7	0.4	52	2	US-09-513-999C-7681
22	7	0.4	61	2	US-09-540-236-2834
23	7	0.4	92	2	US-09-107-532A-4945
24	7	0.4	103	2	US-09-732-210-762
25	7	0.4	103	2	US-09-732-210-763
26	7	0.4	103	2	US-09-732-210-765
27	7	0.4	103	2	US-09-732-210-766

28	7	0.4	104	2	US-09-732-210-761	Sequence 761, App
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30	7	0.4	104	2	US-09-492-709A-321	Sequence 321, App
31	7	0.4	107	2	US-09-370-838-113	Sequence 113, App
32	7	0.4	107	2	US-09-854-133-113	Sequence 113, App
33	7	0.4	108	2	US-09-252-991A-21351	Sequence 21351, A
34	7	0.4	113	2	US-09-732-210-774	Sequence 774, App
35	7	0.4	115	2	US-09-732-210-780	Sequence 780, App
36	7	0.4	116	2	US-09-543-681A-7205	Sequence 7205, App
37	7	0.4	118	2	US-09-489-039A-10900	Sequence 10900, A
38	7	0.4	119	2	US-09-270-767-56640	Sequence 56640, A
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41	7	0.4	135	2	US-09-270-767-40611	Sequence 40611, A
42	7	0.4	135	2	US-09-270-767-55827	Sequence 55827, A
43	7	0.4	136	2	US-09-710-279-1852	Sequence 1852, Ap
44	7	0.4	141	2	US-09-949-016-8944	Sequence 8944, Ap
45	7	0.4	143	2	US-09-605-703B-2488	Sequence 2488, Ap
46	7	0.4	144	2	US-09-252-991A-16576	Sequence 16576, A
47	7	0.4	149	2	US-09-270-767-40126	Sequence 40126, A
48	7	0.4	149	2	US-09-270-767-55342	Sequence 55342, A
49	7	0.4	155	2	US-09-917-340-29	Sequence 29, Appl
50	7	0.4	181	2	US-09-270-767-32592	Sequence 32592, A
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52	7	0.4	193	2	US-09-543-681A-4479	Sequence 4479, Ap
53	7	0.4	195	2	US-09-583-110-5165	Sequence 5165, Ap
54	7	0.4	201	2	US-09-107-433-3611	Sequence 3611, Ap
55	7	0.4	203	2	US-09-252-991A-17282	Sequence 17282, A
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57	7	0.4	209	2	US-09-862-027-6	Sequence 6, Appl
58	7	0.4	211	2	US-09-489-039A-9282	Sequence 9282, Ap
59	7	0.4	212	2	US-09-543-681A-4702	Sequence 4702, Ap
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61	7	0.4	215	2	US-09-543-681A-5834	Sequence 5834, Ap
62	7	0.4	222	2	US-09-328-352-4496	Sequence 4496, Ap
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64	7	0.4	237	2	US-09-134-000C-5622	Sequence 5622, Ap
65	7	0.4	241	2	US-09-328-352-5920	Sequence 5920, Ap
66	7	0.4	244	2	US-09-252-991A-21937	Sequence 21937, A
67	7	0.4	245	2	US-10-104-047-3323	Sequence 3323, Ap
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69	7	0.4	248	2	US-09-248-796A-14220	Sequence 14220, A
70	7	0.4	250	2	US-09-602-777A-388	Sequence 388, App
71	7	0.4	251	2	US-09-270-767-33191	Sequence 33191, A
72	7	0.4	251	2	US-09-270-767-48408	Sequence 48408, A
73	7	0.4	255	2	US-09-270-767-59674	Sequence 59674, A
74	7	0.4	261	2	US-09-270-767-47059	Sequence 47059, A
75	7	0.4	264	2	US-09-902-540-12687	Sequence 12687, A
76	7	0.4	266	2	US-09-949-016-8843	Sequence 8843, Ap
77	7	0.4	266	2	US-09-949-016-8844	Sequence 8844, Ap
78	7	0.4	272	2	US-09-270-767-44311	Sequence 44311, A
79	7	0.4	274	2	US-09-949-016-11337	Sequence 11337, A
80	7	0.4	277	2	US-09-071-252-16	Sequence 16, Appl
81	7	0.4	277	2	US-09-248-796A-17143	Sequence 17143, A
82	7	0.4	277	2	US-09-902-540-14737	Sequence 14737, A
83	7	0.4	286	2	US-09-252-991A-32062	Sequence 32062, A
84	7	0.4	294	2	US-09-446-301A-6	Sequence 6, Appl
85	7	0.4	295	2	US-09-099-932-6	Sequence 6, Appl
86	7	0.4	295	2	US-10-392-970-6	Sequence 6, Appl
87	7	0.4	313	1	US-08-849-536A-5	Sequence 5, Appl
88	7	0.4	313	2	US-09-107-532A-6954	Sequence 6954, Ap
89	7	0.4	325	2	US-09-477-962-103	Sequence 103, App
90	7	0.4	345	2	US-09-134-000C-5010	Sequence 5010, Ap
91	7	0.4	351	2	US-09-857-447-1	Sequence 1, Appl
92	7	0.4	352	2	US-09-902-540-12834	Sequence 12834, A
93	7	0.4	369	2	US-09-724-623-66	Sequence 66, Appl
94	7	0.4	372	1	US-08-513-278-2	Sequence 2, Appl
95	7	0.4	372	6	5514582-2	Patent No. 5514582
96	7	0.4	385	1	US-08-340-539A-2	Sequence 2, Appl
97	7	0.4	385	1	US-08-461-592B-2	Sequence 2, Appl
98	7	0.4	385	2	US-09-902-540-16462	Sequence 16462, A
99	7	0.4	394	2	US-09-710-279-552	Sequence 552, App
100	7	0.4	397	2	US-09-248-796A-20419	Sequence 20419, A

101	7	0.4	403	2	US-09-170-496D-114	Sequence 114, App
102	7	0.4	403	2	US-09-170-496D-224	Sequence 224, App
103	7	0.4	403	2	US-09-743-742B-4	Sequence 4, Appli
104	7	0.4	403	2	US-09-743-742B-10	Sequence 10, Appl
105	7	0.4	403	2	US-09-270-767-36688	Sequence 36688, A
106	7	0.4	403	2	US-09-270-767-51905	Sequence 51905, A
107	7	0.4	408	2	US-09-248-796A-14591	Sequence 14591, A
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111	7	0.4	414	2	US-09-540-236-2578	Sequence 2578, Ap
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115	7	0.4	433	4	PCT-US94-07266-2	Sequence 2, Appli
116	7	0.4	440	1	US-08-333-358-8	Sequence 8, Appli
117	7	0.4	440	1	US-08-463-694-8	Sequence 8, Appli
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119	7	0.4	443	2	US-09-134-001C-3148	Sequence 3148, Ap
120	7	0.4	447	1	US-08-373-935-1	Sequence 1, Appli
121	7	0.4	447	2	US-10-329-668-2	Sequence 2, Appli
122	7	0.4	448	2	US-09-489-039A-12792	Sequence 12792, A
123	7	0.4	450	2	US-09-369-364A-19	Sequence 19, Appl
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126	7	0.4	452	2	US-09-489-039A-12162	Sequence 12162, A
127	7	0.4	453	2	US-09-949-016-8058	Sequence 8058, Ap
128	7	0.4	453	2	US-09-949-016-8413	Sequence 8413, Ap
129	7	0.4	455	2	US-09-328-352-7505	Sequence 7505, Ap
130	7	0.4	465	2	US-09-603-208A-258	Sequence 258, App
131	7	0.4	467	2	US-09-489-039A-7790	Sequence 7790, Ap
132	7	0.4	468	2	US-09-270-767-44250	Sequence 44250, A
133	7	0.4	470	2	US-09-252-991A-23310	Sequence 23310, A
134	7	0.4	472	2	US-09-252-991A-32479	Sequence 32479, A
135	7	0.4	481	2	US-09-914-259-36	Sequence 36, Appl
136	7	0.4	484	2	US-10-104-047-2240	Sequence 2240, Ap
137	7	0.4	486	1	US-08-942-423-3	Sequence 3, Appli
138	7	0.4	486	2	US-09-036-987A-16	Sequence 16, Appl
139	7	0.4	486	2	US-09-370-700-16	Sequence 16, Appl
140	7	0.4	486	2	US-09-914-259-35	Sequence 35, Appl
141	7	0.4	486	2	US-09-603-207-16	Sequence 16, Appl
142	7	0.4	486	2	US-09-976-594-278	Sequence 278, App
143	7	0.4	486	2	US-09-538-092-926	Sequence 926, App
144	7	0.4	486	2	US-09-949-016-6216	Sequence 6216, Ap
145	7	0.4	488	1	US-07-794-393-2	Sequence 2, Appli
146	7	0.4	488	1	US-08-001-711-2	Sequence 2, Appli
147	7	0.4	488	2	US-08-704-711A-22	Sequence 22, Appl
148	7	0.4	488	2	US-09-521-220-22	Sequence 22, Appl
149	7	0.4	488	2	US-09-391-104-31	Sequence 31, Appl
150	7	0.4	489	1	US-07-903-103-4	Sequence 4, Appli
151	7	0.4	489	1	US-08-044-619A-4	Sequence 4, Appli
152	7	0.4	489	1	US-08-283-911-4	Sequence 4, Appli
153	7	0.4	489	1	US-08-245-500A-5	Sequence 5, Appli
154	7	0.4	489	1	US-08-390-546-5	Sequence 5, Appli
155	7	0.4	489	1	US-08-390-479A-5	Sequence 5, Appli
156	7	0.4	489	1	US-08-557-393-5	Sequence 5, Appli
157	7	0.4	489	1	US-08-390-516C-5	Sequence 5, Appli
158	7	0.4	489	1	US-08-390-517A-5	Sequence 5, Appli
159	7	0.4	489	1	US-08-390-515A-5	Sequence 5, Appli
160	7	0.4	489	1	US-08-801-718-5	Sequence 11, Appl
161	7	0.4	489	2	US-08-448-489-11	Sequence 11, Appl
162	7	0.4	489	2	US-09-170-159A-5	Sequence 5, Appli
163	7	0.4	489	2	US-09-480-718-46	Sequence 46, Appl
164	7	0.4	489	2	US-09-134-000C-4888	Sequence 4888, Ap
165	7	0.4	489	2	US-09-689-730-11	Sequence 11, Appl
166	7	0.4	490	2	US-09-252-991A-19601	Sequence 19601, A
167	7	0.4	491	2	US-09-949-016-10808	Sequence 10808, A
168	7	0.4	494	2	US-09-712-363-222	Sequence 222, App
169	7	0.4	495	2	US-10-104-047-3469	Sequence 3469, Ap
170	7	0.4	498	2	US-09-107-532A-7077	Sequence 7077, Ap
171	7	0.4	507	2	US-09-446-301A-51	Sequence 51, Appl
172	7	0.4	507	2	US-09-949-016-9878	Sequence 9878, Ap
173	7	0.4	557	2	US-09-413-814-34	Sequence 34, Appl
174	7	0.4	567	2	US-09-583-110-4254	Sequence 4254, Ap
175	7	0.4	572	2	US-09-107-433-3986	Sequence 3986, Ap
176	7	0.4	583	2	US-09-902-540-10714	Sequence 10714, A
177	7	0.4	592	2	US-09-248-796A-15425	Sequence 15425, A
178	7	0.4	603	2	US-09-902-540-9826	Sequence 9826, Ap
179	7	0.4	621	2	US-09-489-039A-9256	Sequence 9256, Ap
180	7	0.4	628	2	US-09-252-991A-30904	Sequence 30904, A
181	7	0.4	648	2	US-09-252-991A-24104	Sequence 24104, A
182	7	0.4	655	2	US-09-949-016-9577	Sequence 9577, Ap
183	7	0.4	660	2	US-09-489-039A-12466	Sequence 12466, A
184	7	0.4	671	2	US-09-198-452A-468	Sequence 468, App
185	7	0.4	691	2	US-09-538-092-421	Sequence 421, App
186	7	0.4	691	2	US-09-902-540-11035	Sequence 11035, A
187	7	0.4	692	2	US-09-252-991A-26724	Sequence 26724, A
188	7	0.4	693	2	US-09-949-016-7243	Sequence 7243, Ap
189	7	0.4	696	2	US-09-252-991A-28636	Sequence 28636, A
190	7	0.4	717	2	US-09-949-016-9436	Sequence 9436, Ap
191	7	0.4	724	2	US-09-252-991A-30884	Sequence 30884, A
192	7	0.4	764	2	US-09-370-838-67	Sequence 67, Appl
193	7	0.4	764	2	US-09-538-092-944	Sequence 944, App
194	7	0.4	764	2	US-09-854-133-67	Sequence 67, Appl
195	7	0.4	767	2	US-09-949-016-6167	Sequence 6167, Ap
196	7	0.4	770	2	US-09-981-953A-2	Sequence 2, Appli
197	7	0.4	781	2	US-09-949-016-9773	Sequence 9773, Ap
198	7	0.4	789	2	US-09-949-016-9432	Sequence 9432, Ap
199	7	0.4	800	1	US-08-785-052-4	Sequence 4, Appli
200	7	0.4	800	1	US-08-913-581-4	Sequence 4, Appli
201	7	0.4	803	1	US-08-158-232-10	Sequence 10, Appl
202	7	0.4	803	1	US-08-304-626-10	Sequence 10, Appl
203	7	0.4	803	1	US-08-316-301A-12	Sequence 12, Appl
204	7	0.4	803	1	US-08-611-928-10	Sequence 10, Appl
205	7	0.4	803	2	US-09-173-891-10	Sequence 10, Appl
206	7	0.4	803	2	US-09-076-137-12	Sequence 12, Appl
207	7	0.4	803	2	US-09-738-363-12	Sequence 12, Appl
208	7	0.4	803	4	PCT-US92-03624-12	Sequence 12, Appl
209	7	0.4	811	2	US-09-248-796A-18641	Sequence 18641, A
210	7	0.4	823	2	US-09-949-016-8339	Sequence 8339, Ap
211	7	0.4	895	2	US-09-489-039A-7893	Sequence 7893, Ap
212	7	0.4	904	2	US-09-543-681A-4485	Sequence 4485, Ap
213	7	0.4	917	1	US-08-245-295-2	Sequence 2, Appli
214	7	0.4	917	1	US-08-481-130-2	Sequence 2, Appli
215	7	0.4	917	1	US-08-656-984A-2	Sequence 2, Appli
216	7	0.4	917	1	US-08-485-604-2	Sequence 2, Appli
217	7	0.4	917	1	US-08-487-595-2	Sequence 2, Appli
218	7	0.4	927	2	US-09-328-352-7922	Sequence 7922, Ap
219	7	0.4	942	2	US-09-171-937C-40	Sequence 40, Appl
220	7	0.4	947	2	US-09-438-185A-447	Sequence 447, App
221	7	0.4	981	2	US-09-252-991A-16798	Sequence 16798, A
222	7	0.4	1019	2	US-09-543-681A-4447	Sequence 4447, Ap
223	7	0.4	1081	2	US-09-369-364A-17	Sequence 17, Appl
224	7	0.4	1104	2	US-09-981-953A-4	Sequence 4, Appli
225	7	0.4	1105	2	US-09-949-016-8227	Sequence 8227, Ap
226	7	0.4	1117	2	US-09-949-016-6148	Sequence 6148, Ap
227	7	0.4	1237	2	US-09-862-027-78	Sequence 78, Appl
228	7	0.4	1257	2	US-09-252-991A-17290	Sequence 17290, A
229	7	0.4	1294	2	US-09-328-352-6314	Sequence 6314, Ap
230	7	0.4	1304	2	US-09-489-039A-13449	Sequence 13449, A
231	7	0.4	1395	2	US-10-289-776-15	Sequence 15, Appl
232	7	0.4	1395	2	US-09-695-795A-2	Sequence 2, Appli
233	7	0.4	2388	2	US-09-911-842A-4	Sequence 4, Appli
234	7	0.4	3594	2	US-09-911-842A-4	Sequence 4, Appli
235	7	0.4	6396	2	US-09-410-551B-72	Sequence 72, Appl
236	7	0.4	6396	2	US-09-940-316B-72	Sequence 72, Appl
237	6	0.4	7	1	US-08-188-223-9	Sequence 9, Appli
238	6	0.4	7	2	US-08-968-466-9	Sequence 9, Appli
239	6	0.4	7	2	US-08-478-546B-9	Sequence 9, Appli
240	6	0.4	10	2	US-08-925-002-60	Sequence 60, Appl
241	6	0.4	10	2	US-08-847-844A-72	Sequence 72, Appl
242	6	0.4	10	2	US-09-910-552-60	Sequence 60, Appl
243	6	0.4	12	1	US-08-372-197-3	Sequence 3, Appli
244	6	0.4	14	2	US-09-053-611-21	Sequence 21, Appl
245	6	0.4	14	2	US-10-153-334-37	Sequence 37, Appl
246	6	0.4	14	4	PCT-US93-06751-135	Sequence 135, App

247	6	0.4	14	4	PCT-US93-06751-144	Sequence 144, App	320	6	0.4	39	2	US-10-340-484-27	Sequence 27, Appl
248	6	0.4	15	2	US-09-140-201-14	Sequence 14, Appl	321	6	0.4	40	1	US-08-933-616-3	Sequence 3, Appl
249	6	0.4	15	2	US-09-563-222C-63	Sequence 63, Appl	322	6	0.4	40	2	US-09-135-121B-5	Sequence 5, Appl
250	6	0.4	15	4	PCT-US93-06751-87	Sequence 87, Appl	323	6	0.4	41	2	US-09-345-468-22	Sequence 22, Appl
251	6	0.4	16	1	US-08-482-142-60	Sequence 60, Appl	324	6	0.4	41	2	US-09-414-453A-22	Sequence 22, Appl
252	6	0.4	16	1	US-08-478-572-60	Sequence 60, Appl	325	6	0.4	41	2	US-09-288-143-116	Sequence 116, App
253	6	0.4	16	2	US-08-602-999A-443	Sequence 443, App	326	6	0.4	41	2	US-09-600-118-8	Sequence 8, Appl
254	6	0.4	16	2	US-08-484-296-60	Sequence 60, Appl	327	6	0.4	42	2	US-10-001-887-90	Sequence 90, Appl
255	6	0.4	16	2	US-09-500-124-443	Sequence 443, App	328	6	0.4	43	1	US-08-935-396-4	Sequence 4, Appl
256	6	0.4	16	4	PCT-US93-06751-134	Sequence 134, App	329	6	0.4	43	2	US-09-205-258-888	Sequence 888, App
257	6	0.4	16	4	PCT-US93-06751-145	Sequence 145, App	330	6	0.4	43	2	US-10-004-860-888	Sequence 888, App
258	6	0.4	17	1	US-08-188-223-5	Sequence 5, Appl	331	6	0.4	44	2	US-10-318-675-85	Sequence 85, Appl
259	6	0.4	17	2	US-08-968-466-5	Sequence 5, Appl	332	6	0.4	45	2	US-09-270-767-35994	Sequence 35994, A
260	6	0.4	17	2	US-08-478-546B-5	Sequence 5, Appl	333	6	0.4	45	2	US-09-270-767-51211	Sequence 51211, A
261	6	0.4	17	6	5223424-4	Patent No. 5223424	334	6	0.4	45	2	US-10-153-334-34	Sequence 34, Appl
262	6	0.4	18	2	US-09-563-222C-64	Sequence 64, Appl	335	6	0.4	46	2	US-08-905-223-462	Sequence 462, App
263	6	0.4	18	2	US-09-563-222C-65	Sequence 65, Appl	336	6	0.4	46	2	US-08-981-392-52	Sequence 52, Appl
264	6	0.4	19	1	US-07-620-669-15	Sequence 15, Appl	337	6	0.4	46	2	US-09-908-322-52	Sequence 52, Appl
265	6	0.4	19	1	US-07-803-624-15	Sequence 15, Appl	338	6	0.4	48	2	US-08-891-640-5	Sequence 5, Appl
266	6	0.4	19	1	US-07-998-361-15	Sequence 15, Appl	339	6	0.4	48	2	US-09-842-256-5	Sequence 5, Appl
267	6	0.4	19	1	US-08-485-588-11	Sequence 11, Appl	340	6	0.4	49	2	US-09-270-767-58102	Sequence 58102, A
268	6	0.4	19	1	US-08-484-565-11	Sequence 11, Appl	341	6	0.4	49	2	US-10-037-417-57	Sequence 57, Appl
269	6	0.4	19	1	US-08-480-751-11	Sequence 11, Appl	342	6	0.4	50	2	US-09-345-468-13	Sequence 13, Appl
270	6	0.4	19	1	US-08-943-986-11	Sequence 11, Appl	343	6	0.4	50	2	US-09-414-453A-13	Sequence 13, Appl
271	6	0.4	19	2	US-08-353-784-11	Sequence 11, Appl	344	6	0.4	51	2	US-09-513-999C-4352	Sequence 4352, Ap
272	6	0.4	19	2	US-08-484-719B-11	Sequence 11, Appl	345	6	0.4	52	2	US-09-732-210-1031	Sequence 1031, Ap
273	6	0.4	19	2	US-10-153-334-35	Sequence 35, Appl	346	6	0.4	53	2	US-09-732-210-1041	Sequence 1041, Ap
274	6	0.4	19	2	US-10-012-896-985	Sequence 985, App	347	6	0.4	55	2	US-09-621-976-4645	Sequence 4645, Ap
275	6	0.4	19	2	US-08-279-058B-18	Sequence 18, Appl	348	6	0.4	56	2	US-09-439-313-564	Sequence 564, App
276	6	0.4	20	1	US-08-828-323A-18	Sequence 18, Appl	349	6	0.4	58	2	US-09-439-313-547	Sequence 547, App
277	6	0.4	20	2	US-08-828-323-18	Sequence 18, Appl	350	6	0.4	58	2	US-09-904-615-101	Sequence 101, App
278	6	0.4	20	2	US-08-828-323A-18	Sequence 18, Appl	351	6	0.4	58	2	US-09-636-215-547	Sequence 547, App
279	6	0.4	21	2	US-08-596-257A-1	Sequence 1, Appl	352	6	0.4	58	2	US-09-685-166A-547	Sequence 547, App
280	6	0.4	21	2	US-08-746-111-17	Sequence 17, Appl	353	6	0.4	58	2	US-09-679-426-547	Sequence 547, App
281	6	0.4	21	2	US-08-860-339-1	Sequence 1, Appl	354	6	0.4	58	2	US-09-759-143-547	Sequence 547, App
282	6	0.4	21	2	US-09-177-249-303	Sequence 303, App	355	6	0.4	58	2	US-09-651-236-547	Sequence 547, App
283	6	0.4	21	2	US-09-370-644B-1	Sequence 1, Appl	356	6	0.4	58	2	US-09-657-279-547	Sequence 547, App
284	6	0.4	21	2	US-09-573-629-1	Sequence 1, Appl	357	6	0.4	58	2	US-10-012-896-547	Sequence 547, App
285	6	0.4	21	2	US-10-208-349-1	Sequence 1, Appl	358	6	0.4	58	2	US-10-054-988-101	Sequence 101, App
286	6	0.4	21	2	US-09-812-283-303	Sequence 303, App	359	6	0.4	59	1	US-08-470-720-14	Sequence 14, Appl
287	6	0.4	24	1	US-07-832-845-1	Sequence 1, Appl	360	6	0.4	59	1	US-08-070-455-14	Sequence 14, Appl
288	6	0.4	24	2	US-09-721-108-219	Sequence 219, App	361	6	0.4	60	1	US-08-117-083-20	Sequence 20, Appl
289	6	0.4	24	2	US-09-721-108-220	Sequence 220, App	362	6	0.4	60	2	US-08-754-477A-21	Sequence 21, Appl
290	6	0.4	24	2	US-09-270-767-41173	Sequence 41173, A	363	6	0.4	60	2	US-08-754-477A-24	Sequence 24, Appl
291	6	0.4	24	2	US-09-270-767-56389	Sequence 56389, A	364	6	0.4	60	2	US-09-489-039A-13398	Sequence 13398, A
292	6	0.4	24	2	US-10-153-334-36	Sequence 36, Appl	365	6	0.4	60	2	US-09-621-976-6003	Sequence 6003, Ap
293	6	0.4	25	2	US-09-716-129-89	Sequence 89, Appl	366	6	0.4	61	2	US-08-605-150A-16	Sequence 16, Appl
294	6	0.4	26	1	US-08-482-142-53	Sequence 53, Appl	367	6	0.4	61	2	US-08-446-137B-12	Sequence 12, Appl
295	6	0.4	26	1	US-08-482-142-55	Sequence 55, Appl	368	6	0.4	61	2	US-09-134-001C-5162	Sequence 5162, Ap
296	6	0.4	26	1	US-08-478-572-53	Sequence 53, Appl	369	6	0.4	61	2	US-09-248-796A-23496	Sequence 23496, A
297	6	0.4	26	1	US-08-478-572-55	Sequence 55, Appl	370	6	0.4	61	2	US-09-107-433-3255	Sequence 3255, Ap
298	6	0.4	26	2	US-08-484-296-53	Sequence 53, Appl	371	6	0.4	62	1	US-08-358-160-162	Sequence 162, App
299	6	0.4	26	2	US-08-484-296-55	Sequence 55, Appl	372	6	0.4	62	2	US-08-446-137B-11	Sequence 11, Appl
300	6	0.4	26	2	US-09-268-992-73	Sequence 73, Appl	373	6	0.4	62	2	US-09-270-767-42305	Sequence 42305, A
301	6	0.4	26	2	US-09-657-474-73	Sequence 73, Appl	374	6	0.4	62	2	US-09-513-999C-6394	Sequence 6394, Ap
302	6	0.4	26	2	US-09-205-258-1179	Sequence 1179, Ap	375	6	0.4	63	2	US-09-621-976-4016	Sequence 4016, Ap
303	6	0.4	26	2	US-10-004-860-1179	Sequence 1179, Ap	376	6	0.4	63	2	US-09-270-767-59472	Sequence 59472, A
304	6	0.4	27	2	US-08-822-774-37	Sequence 37, Appl	377	6	0.4	64	2	US-09-180-167A-31	Sequence 31, Appl
305	6	0.4	27	2	US-09-632-711-37	Sequence 37, Appl	378	6	0.4	64	2	US-09-328-352-6606	Sequence 6606, App
306	6	0.4	27	2	US-09-632-703B-37	Sequence 37, Appl	379	6	0.4	64	2	US-09-107-532A-6295	Sequence 6295, App
307	6	0.4	27	2	US-09-632-702-37	Sequence 37, Appl	380	6	0.4	64	2	US-09-033-524B-31	Sequence 31, Appl
308	6	0.4	27	2	US-09-399-003-37	Sequence 37, Appl	381	6	0.4	64	2	US-09-621-976-6713	Sequence 6713, Ap
309	6	0.4	28	2	US-09-066-046-19	Sequence 19, Appl	382	6	0.4	64	2	US-09-248-796A-24943	Sequence 24943, A
310	6	0.4	28	2	US-09-471-276-988	Sequence 988, App	383	6	0.4	64	2	US-09-248-796A-25484	Sequence 25484, A
311	6	0.4	28	2	US-09-880-498-1	Sequence 1, Appl	384	6	0.4	65	2	US-09-774-639-126	Sequence 126, App
312	6	0.4	29	2	US-09-270-767-59733	Sequence 59733, A	385	6	0.4	66	2	US-08-446-137B-10	Sequence 10, Appl
313	6	0.4	31	2	US-09-471-276-1123	Sequence 1123, Ap	386	6	0.4	66	2	US-09-248-796A-23471	Sequence 23471, A
314	6	0.4	34	2	US-09-270-767-56876	Sequence 56876, A	387	6	0.4	67	2	US-09-461-325-239	Sequence 239, App
315	6	0.4	35	2	US-09-205-258-616	Sequence 616, App	388	6	0.4	67	2	US-09-461-325-416	Sequence 416, App
316	6	0.4	35	2	US-10-004-860-616	Sequence 616, App	389	6	0.4	67	2	US-10-012-542-239	Sequence 239, App
317	6	0.4	36	2	US-09-438-905-24	Sequence 24, Appl	390	6	0.4	67	2	US-10-012-542-416	Sequence 416, App
318	6	0.4	37	2	US-09-227-357-587	Sequence 587, App	391	6	0.4	67	2	US-10-115-123-239	Sequence 239, App
319	6	0.4	37	2	US-09-973-278-533	Sequence 533, App	392	6	0.4	67	2	US-10-115-123-416	Sequence 416, App

393	6	0.4	68	2	US-09-583-110-4302	Sequence 4302, Ap
394	6	0.4	68	2	US-09-248-796A-21744	Sequence 21744, A
395	6	0.4	68	2	US-09-107-433-5009	Sequence 5009, Ap
396	6	0.4	69	2	US-09-252-991A-24924	Sequence 24924, A
397	6	0.4	69	2	US-09-621-976-6899	Sequence 6899, Ap
398	6	0.4	69	2	US-09-902-540-10439	Sequence 10439, A
399	6	0.4	70	2	US-08-858-207A-514	Sequence 514, App
400	6	0.4	70	2	US-09-543-681A-5643	Sequence 5643, Ap
401	6	0.4	70	2	US-09-489-039A-12544	Sequence 12544, A
402	6	0.4	71	2	US-08-928-213B-24	Sequence 24, Appl
403	6	0.4	71	2	US-09-489-039A-12114	Sequence 12114, A
404	6	0.4	71	2	US-09-621-976-7449	Sequence 7449, Ap
405	6	0.4	71	2	US-09-540-236-3286	Sequence 3286, Ap
406	6	0.4	72	2	US-09-270-767-32779	Sequence 32779, A
407	6	0.4	72	2	US-09-270-767-47996	Sequence 47996, A
408	6	0.4	74	2	US-09-248-796A-27243	Sequence 27243, A
409	6	0.4	75	1	US-08-428-415-15	Sequence 15, Appl
410	6	0.4	75	1	US-08-379-685-15	Sequence 15, Appl
411	6	0.4	75	1	US-08-854-029-15	Sequence 15, Appl
412	6	0.4	75	2	US-08-428-762-15	Sequence 15, Appl
413	6	0.4	76	2	US-09-397-243D-9	Sequence 9, Appl1
414	6	0.4	76	2	US-09-248-796A-23262	Sequence 23262, A
415	6	0.4	77	2	US-09-107-532A-6045	Sequence 6045, Ap
416	6	0.4	77	2	US-09-621-976-6244	Sequence 6244, Ap
417	6	0.4	77	2	US-09-270-767-57875	Sequence 57875, A
418	6	0.4	77	2	US-09-248-796A-26569	Sequence 26569, A
419	6	0.4	77	2	US-10-178-213-350	Sequence 350, App
420	6	0.4	78	1	US-08-665-220-67	Sequence 67, Appl
421	6	0.4	78	2	US-09-291-692-67	Sequence 67, Appl
422	6	0.4	78	2	US-09-952-768-67	Sequence 67, Appl
423	6	0.4	78	2	US-09-902-540-15111	Sequence 67, Appl
424	6	0.4	78	2	US-10-668-955-67	Sequence 67, Appl
425	6	0.4	79	2	US-09-134-000C-3782	Sequence 3782, Ap
426	6	0.4	79	2	US-09-134-000C-5591	Sequence 5591, Ap
427	6	0.4	79	2	US-09-134-000C-6335	Sequence 6335, Ap
428	6	0.4	80	2	US-09-382-155-14	Sequence 14, Appl
429	6	0.4	80	2	US-08-663-191A-3	Sequence 3, Appl1
430	6	0.4	80	2	US-09-074-044A-14	Sequence 14, Appl
431	6	0.4	80	2	US-08-905-223-411	Sequence 411, App
432	6	0.4	80	2	US-09-051-624A-2	Sequence 2, Appl1
433	6	0.4	80	2	US-09-134-000C-5156	Sequence 5156, Ap
434	6	0.4	80	2	US-09-270-767-60512	Sequence 60512, A
435	6	0.4	81	2	US-08-469-260A-187	Sequence 187, App
436	6	0.4	81	2	US-08-488-446-187	Sequence 187, App
437	6	0.4	81	2	US-08-467-344A-187	Sequence 187, App
438	6	0.4	81	2	US-08-424-550B-187	Sequence 187, App
439	6	0.4	82	2	US-09-621-976-6242	Sequence 6242, Ap
440	6	0.4	83	2	US-09-227-357-652	Sequence 652, App
441	6	0.4	83	2	US-09-270-767-56815	Sequence 56815, A
442	6	0.4	83	2	US-09-513-999C-6584	Sequence 6584, Ap
443	6	0.4	83	2	US-09-973-278-370	Sequence 370, App
444	6	0.4	83	2	US-09-605-703B-1496	Sequence 1496, Ap
445	6	0.4	84	2	US-09-640-211A-633	Sequence 633, App
446	6	0.4	85	2	US-09-198-452A-435	Sequence 435, App
447	6	0.4	85	2	US-09-583-110-3980	Sequence 3980, Ap
448	6	0.4	86	2	US-09-902-540-11265	Sequence 11265, A
449	6	0.4	87	2	US-09-107-433-2620	Sequence 2620, Ap
450	6	0.4	87	2	US-09-471-276-1169	Sequence 1169, Ap
451	6	0.4	88	2	US-09-314-268-135	Sequence 135, App
452	6	0.4	88	2	US-09-107-532A-4930	Sequence 4930, Ap
453	6	0.4	88	2	US-09-621-976-5667	Sequence 5667, Ap
454	6	0.4	88	2	US-09-248-796A-21523	Sequence 21523, A
455	6	0.4	89	2	US-09-252-991A-30357	Sequence 30357, A
456	6	0.4	89	2	US-09-107-532A-5913	Sequence 5913, Ap
457	6	0.4	90	2	US-08-894-173-49	Sequence 49, Appl
458	6	0.4	90	2	US-09-398-193-49	Sequence 49, Appl
459	6	0.4	91	2	US-09-621-976-4684	Sequence 4684, Ap
460	6	0.4	91	2	US-09-621-976-5187	Sequence 5187, Ap
461	6	0.4	91	2	US-09-621-976-7372	Sequence 7372, Ap
462	6	0.4	91	2	US-09-583-110-5161	Sequence 5161, Ap
463	6	0.4	91	2	US-09-270-767-31960	Sequence 31960, A
464	6	0.4	91	2	US-09-270-767-47177	Sequence 47177, A
465	6	0.4	93	2	US-09-543-681A-7003	Sequence 7003, Ap

466	6	0.4	93	2	US-09-818-247-18	Sequence 18, Appl
467	6	0.4	93	2	US-09-605-703B-2708	Sequence 2708, Ap
468	6	0.4	95	2	US-09-134-001C-3666	Sequence 3666, Ap
469	6	0.4	95	2	US-09-252-991A-25599	Sequence 25599, A
470	6	0.4	95	2	US-09-252-991A-27744	Sequence 27744, A
471	6	0.4	95	2	US-09-198-452A-884	Sequence 884, App
472	6	0.4	95	2	US-09-621-976-5459	Sequence 5459, Ap
473	6	0.4	96	2	US-09-270-767-34500	Sequence 34500, A
474	6	0.4	96	2	US-09-270-767-49717	Sequence 49717, A
475	6	0.4	97	1	US-08-306-871-22	Sequence 22, Appl
476	6	0.4	97	1	US-08-569-959-22	Sequence 22, Appl
477	6	0.4	97	2	US-09-489-039A-10490	Sequence 10490, A
478	6	0.4	97	2	US-09-489-039A-13415	Sequence 13415, A
479	6	0.4	98	2	US-09-270-767-41085	Sequence 41085, A
480	6	0.4	98	2	US-09-270-767-56301	Sequence 56301, A
481	6	0.4	98	2	US-09-248-796A-25651	Sequence 25651, A
482	6	0.4	98	2	US-09-513-999C-6291	Sequence 6291, Ap
483	6	0.4	98	2	US-09-818-247-21	Sequence 21, Appl
484	6	0.4	99	2	US-09-107-532A-5390	Sequence 5390, Ap
485	6	0.4	99	2	US-09-905-243-52	Sequence 52, Appl
486	6	0.4	100	2	US-09-198-452A-139	Sequence 139, App
487	6	0.4	100	2	US-09-489-039A-13460	Sequence 13460, A
488	6	0.4	100	2	US-09-513-999C-5962	Sequence 5962, Ap
489	6	0.4	100	2	US-09-438-185A-123	Sequence 123, App
490	6	0.4	100	2	US-09-438-185A-826	Sequence 826, App
491	6	0.4	101	1	US-08-211-202-139	Sequence 139, App
492	6	0.4	101	2	US-09-328-352-5322	Sequence 5322, Ap
493	6	0.4	101	2	US-09-248-796A-26361	Sequence 26361, A
494	6	0.4	102	2	US-09-621-976-5304	Sequence 5304, Ap
495	6	0.4	102	2	US-09-107-433-4090	Sequence 4090, Ap
496	6	0.4	103	2	US-09-950-933A-89	Sequence 89, Appl
497	6	0.4	104	2	US-09-489-039A-8052	Sequence 8052, Ap
498	6	0.4	105	2	US-09-710-279-158	Sequence 158, App
499	6	0.4	106	2	US-09-187-859-44	Sequence 44, Appl
500	6	0.4	106	2	US-09-187-859-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDH0RF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomlca Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3

Query Match 83.6%; Score 1303; DB 2; length 1791;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy	1	SPPESSNQNGEGSYREAETFNSSQVGLPILYFSGRERLLRPEVLAIPREAFTVEAWV	60
Db	234	SPPESSNQNGEGSYREAETFNSSQVGLPILYFSGRERLLRPEVLAIPREAFTVEAWV	293
Oy	61	KPEGQNNPALIAGVFNCSHTVSDKGWALGIRSGDKGKRDARFFSLCTDRVKATIL	120

Db 294 KPEGQNNPAIIAGVFDNCSTVSDKGWALGIRSGDKGRDARFFFSLCTDRVKKATIL 353
QY 121 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDS 180
Db 354 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDS 413
QY 181 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSQSGEEATDLVLTASFEPVNTWVPRDE 240
Db 414 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSQSGEEATDLVLTASFEPVNTWVPRDE 473
QY 241 KYPRLEVLQGFEBEPEILSPLOPLCGQTVCDNVELISQYNGYWPFRGEKYIRYQVNNIC 300
Db 474 KYPRLEVLQGFEBEPEILSPLOPLCGQTVCDNVELISQYNGYWPFRGEKYIRYQVNNIC 533
QY 301 DDEGLNPVSEEOIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 360
Db 534 DDEGLNPVSEEOIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHRVVLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
QY 421 KTCFDPDPSKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLG 480
Db 654 KTCFDPDPSKRAYMSVKELKEALQLNSTHFLNIYFASSVREDLAGAATWPMWDXAVTHLG 713
QY 481 GIVLSPAYYGMGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540
Db 714 GIVLSPAYYGMGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 773
QY 541 TAPTPKSELGREPEPTSDTCGTRFPGARTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
Db 774 TAPTPKSELGREPEPTSDTCGTRFPGARTNYMSYTDNCTDNFTPNQVARMHCYLDLV 833
QY 601 YQQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRAGSLCGACTEDGTFRQY 660
Db 834 YQQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRAGSLCGACTEDGTFRQY 893
QY 661 VHTASSRRVCDSSGYWTPPEAVGPPVDQCEPSLQAWSPEVHLYHNMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSGYWTPPEAVGPPVDQCEPSLQAWSPEVHLYHNMNTVPCPTGCSL 953
QY 721 ELFOHPVQADTLTLMTVSFMESSQVLPDTEILLENKESVHLGPLDTFCDIPLTIKLHV 780
Db 954 ELFOHPVQADTLTLMTVSFMESSQVLPDTEILLENKESVHLGPLDTFCDIPLTIKLHV 1013
QY 781 DGKVSQVQVYTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVTHSH 840
Db 1014 DGKVSQVQVYTFDERIEIDALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVTHSH 1073
QY 841 RKFTDVEYTPGQMYQYQVLAEAGGELGERSPLNHIHGAPYCGDGKYSERLGEECDGDGL 900
Db 1074 RKFTDVEYTPGQMYQYQVLAEAGGELGERSPLNHIHGAPYCGDGKYSERLGEECDGDGL 1133
QY 901 VSGDGSKYCELEEGFNCVGEPSLCMYEGDGICEPERKTSIVDCGIYTPKGYLDQWAT 960
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QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFPVCASENETODDRSEOP 1020
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPDLPNHRPLTGWFPVCASENETODDRSEOP 1253
QY 1021 EGSLLKKEDEVWLKVCFNRPGEARAFIFELTTDGLVPGEHQPTVTLVLTVDVRSNHSLSGT 1080
Db 1254 EGSLLKKEDEVWLKVCFNRPGEARAFIFELTTDGLVPGEHQPTVTLVLTVDVRSNHSLSGT 1313
QY 1081 YGLSCQHNPLIINVTHQNVLFHHTSVLINFSSPRVGISAVALRTSSRIGLSAPSNCIS 1140
Db 1314 YGLSCQHNPLIINVTHQNVLFHHTSVLINFSSPRVGISAVALRTSSRIGLSAPSNCIS 1373
QY 1141 EDEGQNHQGSQCIHRPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITCQGFALQASS 1200

Db 1374 EDEGQNHQGSQCIHRPCGKQDSCPSLLLDHADVNCTSIGPGLMKCAITCQGFALQASS 1433
QY 1201 GQYIRPMQKEILLTCSSGHWDQNVGCLPVDGVPDPVSLVNYANFSCSEGTKFLKRCISIC 1260
Db 1434 GQYIRPMQKEILLTCSSGHWDQNVGCLPVDGVPDPVSLVNYANFSCSEGTKFLKRCISIC 1493
QY 1261 VPPAKLOGLSPWLTCLLEDGLWSLPEYCKLECDAPPIILNANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKLOGLSPWLTCLLEDGLWSLPEYCKLECDAPPIILNANLLPHCLQDNHDVGTICK 1553
QY 1321 YECKPGYVYAESAEQKVRNKLKIQCLEGGIWEQSGCIPVWCPEPPVEGMYECTNGFS 1380
Db 1554 YECKPGYVYAESAEQKVRNKLKIQCLEGGIWEQSGCIPVWCPEPPVEGMYECTNGFS 1613
QY 1381 LDSQCVLNCQEREKLPILCTKEGLWTQEFKLCENLQGECPPPPSLNSVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCQEREKLPILCTKEGLWTQEFKLCENLQGECPPPPSLNSVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIIPSDPVMLEPNITADTLEHMMBPVKVQSVCTGRQWHPDPVLVHCIOQC 1500
Db 1674 GAVCSPLCVIIPSDPVMLEPNITADTLEHMMBPVKVQSVCTGRQWHPDPVLVHCIOQC 1733
QY 1501 EPPQA 1505
Db 1734 EPPQA 1738

RESULT 2
US-09-827-998-10
; Sequence 10, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMRP-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-10

Query Match 83.4%; Score 1299; DB 2; Length 1770;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPESSNQNGEGSYREAEFTNSQVGLPILYFSGRRERLLRBEVLAIIPREAFVTEAWY 60
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QY 61 KPEGQNNPAIIAGVFDNCSTVSDKGWALGIRSGDKGRDARFFFSLCTDRVKKATIL 120
Db 294 KPEGQNNPAIIAGVFDNCSTVSDKGWALGIRSGDKGRDARFFFSLCTDRVKKATIL 353
QY 121 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDS 180
Db 354 ISHSRYQPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDS 413
QY 181 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSQSGEEATDLVLTASFEPVNTWVPRDE 240
Db 414 EDGHYFRGHLGTLVFWSTALPQSHFQHSQHSQSGEEATDLVLTASFEPVNTWVPRDE 473
QY 241 KYPRLEVLQGFEBEPEILSPLOPLCGQTVCDNVELISQYNGYWPFRGEKYIRYQVNNIC 300

Db 474 KYPRLVQLGFEEPEPEILSPLOPPLCGQTVCNDVELISQYNGWPLRGEKVIRYQVNNIC 533
QY 301 DDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHOVNSTLRHRVVLVNCEPSKIGN 360
Db 534 DDEGLNPVSEEQIRLQHEALNEAFSRYNISWQLSVHOVNSTLRHRVVLVNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGDCLQGRCYSNRRDGLCHVECNMNLNDFDDGCCDPQVADVR 420
Db 594 DHCDPECEHPLTGYDGDCLQGRCYSNRRDGLCHVECNMNLNDFDDGCCDPQVADVR 653
QY 421 KTCFDDPSPKRAYMSVKELKEALQLNSTHFLNITYPASSVREDLAGAATWPMDKDAVTHLG 480
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QY 481 GIVLSPAYYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCA 540
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QY 541 TAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDLV 600
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QY 661 VHTASSRRVCDSSGYWTPBEAVGPPVDQPCPEPSLQAWSPEVHLYHMMNTVPCPTEGCSL 720
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QY 721 ELTFQHPVQADTLTLWTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKHLV 780
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Db 1014 DGKVSQVKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHSH 1073
QY 841 RKFTDVEVTPGQMYQYQVLAAGGELGEASPPPLNHIGHAPYCGDGKYSERLGEECDGDL 900
Db 1074 RKFTDVEVTPGQMYQYQVLAAGGELGEASPPPLNHIGHAPYCGDGKYSERLGEECDGDL 1133
QY 901 VSGDGSKVCELEEGFNCVGEPSLCMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWAT 960
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QY 1141 EDEGQNHQOSCIHRPCGKQDSCPSLLLDHADVNCTSIGPGLMCAITCQRGFALQASS 1200
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QY 1201 GQYIRPMQKEILLTSSSGHWQNVGCLPVDGCVDPDPSLVNYANFSCSEGTKFLKRCISIC 1260
Db 1434 GQYIRPMQKEILLTSSSGHWQNVGCLPVDGCVDPDPSLVNYANFSCSEGTKFLKRCISIC 1493
QY 1261 VPPAKLQGLSPWLTCLLEDGLWSLPEYCKLECDAPPIILNANLILPHCLQDNHVDGTICK 1320
Db 1494 VPPAKLQGLSPWLTCLLEDGLWSLPEYCKLECDAPPIILNANLILPHCLQDNHVDGTICK 1553
QY 1321 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVVCBPPPVFEGMYECTNGFS 1380
Db 1554 YECKPGYVAESAEGKVRNKLKIQCLEGGIWEQSGCIPVVCBPPPVFEGMYECTNGFS 1613

QY 1381 LDSQCVLNCNQERKPLPILCTKEGLMTQEFKLCENLQGESCPPPPSELNSVEYKCEQGYGI 1440
Db 1614 LDSQCVLNCNQERKPLPILCTKEGLMTQEFKLCENLQGESCPPPPSELNSVEYKCEQGYGI 1673
QY 1441 GAVCSPLCVIPPSDPVMLPENITADTLEHMEBPVKVQSI VCTGRQWHPDPVLVHCIOGC 1500
Db 1674 GAVCSPLCVIPPSDPVMLPENITADTLEHMEBPVKVQSI VCTGRQWHPDPVLVHCIOGC 1733
QY 1501 E 1501
Db 1734 E 1734
RESULT 3
US-09-827-998-16
; Sequence 16, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MdhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-16
Query Match 36.8%; Score 574; DB 2; Length 1385;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 480 GGIVLSPAYYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCA 539
Db 307 GGIVLSPAYYGMPGHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCA 366
QY 540 DTAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDL 599
Db 367 DTAPTPKSELCREPEPTSDTCGTRFPGAPFTNYMSYTDNCTDNFTPNQVARMHCYLDL 426
QY 600 YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQ 659
Db 427 YQOWTESRKPTPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASGSLCGACTEDGTFRQ 486
QY 660 YHTASSRRVCDSSGYWTPBEAVGPPVDQPCPEPSLQAWSPEVHLYHMMNTVPCPTEGCS 719
Db 487 YHTASSRRVCDSSGYWTPBEAVGPPVDQPCPEPSLQAWSPEVHLYHMMNTVPCPTEGCS 546
QY 720 ELTLFQHPVQADTLTLWTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKHL 779
Db 547 ELTLFQHPVQADTLTLWTSFFMESSQVLFDTIELLENKESVHLGPLDTFCDIPLTIKHL 606
QY 780 VDGKVSQVKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHS 839
Db 607 VDGKVSQVKVYTFDERIEIDAALLTSQPHSPLCSGCRPVRYQVLRDPPFASGLPVVYTHS 666
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Db 667 HRKFTDVEVTPGQMYQYQVLAAGGELGEASPPPLNHIGHAPYCGDGKYSERLGEECDGD 726
QY 900 LVSGDGSKVCELEEGFNCVGEPSLCMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 959
Db 727 LVSGDGSKVCELEEGFNCVGEPSLCMYEGDGICEPFERKTSIVDCGIYTPKGYLDQWA 786

QY 960 TRAYSSHEDKKKCPVSLVTGEPHSLICTSYHDDLPHNRPLTGMPFCVASBNETQDDRSEQ 1019
| | | | |
DB 787 TRAYSSHEDKKKCPVSLVTGEPHSLIRISYHDDLPHNRPLTGMPFCVASBNETQDDRSEQ 846
| | | | |
QY 1020 PEGSLKKEDEVWLKVCENRPGEARAIFILTTDGLVGEHQPTVTLYLTVDKGSNHSLG 1079
| | | | |
DB 847 PEGSLKKEDEVWLKVCENRPGEARAIFILTTDGLVGEHQPTVTLYLTVDKGSNHSLG 906
| | | | |
QY 1080 TYGLSCQHNPLIINTVTHQNVLFHHTTSVLNFPSSPRVGISAVALRTSRIGLSAPSNCI 1139
| | | | |
DB 907 TYGLSCQHNPLIINTVTHQNVLFRHTTSVLNFPSSPRVGISAVALRTSRIGLSAPSNCI 966
| | | | |
QY 1140 SEDEGQNHQGGSCIHRCGKQDSCPSLLDHDADVNTCTSIGGLMKCAITCQGFALQAS 1199
| | | | |
DB 967 SEDEGQNHQGGSCIHRCGKQDSCPSLLDHDADVNTCTSIGGLMKCAITCQGFALQAS 1026
| | | | |
QY 1200 SGQYIRPMQKEILLTSSSGHWDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCIS 1259
| | | | |
DB 1027 SEQYIRLMQKEILLTSSSGHWDQNSCLPVDGVPDPSLVNYANFSCSEGTKFLKRCIS 1086
| | | | |
QY 1260 CVPRAKLQGLSPWLTCLEGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTIC 1319
| | | | |
DB 1087 CVPRAKLQGLSPWLTCLEGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHDVGTIC 1146
| | | | |
QY 1320 KYECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVVCERPPEVYEGMYECTNGF 1379
| | | | |
DB 1147 KYECKPGYVVAESAEGKVRNKLKIQCLEGGIWEQSCIPVVCERPPEVYEGMYECTNGF 1206
| | | | |
QY 1380 SLDSQCVLNCNREKLPILCTKEGLWTQEFKLCENLQGECPRPPELSNVEYKCEQGYG 1439
| | | | |
DB 1207 SLDSQCVLNCNREKLPILCTKEGLWTQEFKLCENLQGECPRPPELSNVEYKCEQGYG 1266
| | | | |
QY 1440 IGAVCSPLCYIPSPDPMLEPENITADTLEHMEPVKVQSI VCTGRQWHPDVLVHCIOG 1499
| | | | |
DB 1267 IGAVCSPLCYIPSPDPMLEPENITADTLEHMEPVKVQSI VCTGRQWHPDVLVHCIOG 1326
| | | | |
QY 1500 CEPFOADGWCCTINNRAYCHYDGGCCSSTLSSKKVIPAADCDLDECTCRDPKAEENQ 1558
| | | | |
DB 1327 CEPFOADGWCCTINNRAYCHYDGGCCSSTLSSKKVIPAADCDLDECTCRDPKAEENQ 1385
| | | | |

RESULT 4
US-09-827-998-18
; Sequence 18, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMRP-8
; CURRENT APPLICATION NUMBER: US/09/827, 998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 18
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-18

Query Match 0.7%; Score 11; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 480 GGIVLSPAYG 490
| | | | |
DB 10 GGIVLSPAYG 20

RESULT 5
US-09-902-540-13412
; Sequence 13412, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13412
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13412
Query Match 0.6%; Score 9; DB 2; Length 211;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 500 HEVGHVGL 508
| | | | |
DB 23 HEVGHVGL 31

RESULT 6
US-09-079-030-90
; Sequence 90, Application US/09079030
; Patent No. 6635623
; GENERAL INFORMATION:
; APPLICANT: Guevera, Jr., Juan G.
; APPLICANT: Hoogeveen, Ron C.
; APPLICANT: Moore, Paul J.
; TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY
; TITLE OF INVENTION: VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS
; NUMBER OF SEQUENCES: 229
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,030
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMillian, Nabeela R.
; REGISTRATION NUMBER: P-43,363
; REFERENCE/DOCKET NUMBER: ARAG:003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 90:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear

US-09-079-030-90

Query Match 0.5%; Score 8; DB 2; Length 47;
Best Local Similarity 100.0%; Pred. No. 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086

Db 32 GTYGLSCQ 39

RESULT 7

US-09-732-210-781
; Sequence 781, Application US/097322210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Miltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 781
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Thermotoga maritima
US-09-732-210-781

Query Match 0.5%; Score 8; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 94 SGKDKGKR 101

Db 13 SGKDKGKR 20

RESULT 8

US-09-949-016-11427
; Sequence 11427, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11427
; LENGTH: 382
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11427

Query Match 0.5%; Score 8; DB 2; Length 382;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443

Db 40 VKELKEAL 47

RESULT 9

US-09-252-991A-31900
; Sequence 31900, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31900
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31900

Query Match 0.5%; Score 8; DB 2; Length 400;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 45 VLAEIPRE 52

Db 189 VLAEIPRE 196

RESULT 10

US-09-134-000C-4291
; Sequence 4291, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4291
; LENGTH: 494
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-4291

Query Match 0.5%; Score 8; DB 2; Length 494;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 646 SLGACTE 653

Db 368 SLGACTE 375

RESULT 11

US-09-536-059-3
; Sequence 3, Application US/09536059
; Patent No. 6544737
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta

APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
APPLICANT: Cohen-Akenine, Annick
TITLE OF INVENTION: GENOMIC SEQUENCE OF THE purh GENE AND purh-RELATED BIALLELIC
TITLE OF INVENTION: MARKERS.
FILE REFERENCE: GENSET.058AUS
CURRENT APPLICATION NUMBER: US/09/536,059
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: US 60/125,961
PRIOR FILING DATE: 1999-03-24
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patent.pm
SEQ ID NO 3
LENGTH: 592
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: 116
OTHER INFORMATION: Xaa=Thr or Ser
US-09-536-059-3

Query Match 0.5%; Score 8; DB 2; Length 592;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 436 VKELKEAL 443
DB 250 VKELKEAL 257

RESULT 12

US-09-180-422B-27

Sequence 27, Application US/09180422B

Patent No. 6444644

GENERAL INFORMATION:

APPLICANT: BRUCKDORFER, KARL R

ETTELAE, CAMILLE

TITLE OF INVENTION: ANTICOAGULANT PEPTIDE FRAGMENTS DERIVED

FROM APOLIPROTEIN B-100

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHYE, P.C.

STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR

CITY: ARLINGTON

STATE: VA

COUNTRY: USA

ZIP: 22201

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/180,422B

FILING DATE: 07-Dec-1998

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B.J.

REGISTRATION NUMBER: 36663

REFERENCE/DOCKET NUMBER: 117-268

TELECOMMUNICATION INFORMATION:

TELEPHONE: 7038164000

TELEFAX: 7038164100

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 4536 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 27:

US-09-180-422B-27

Query Match 0.5%; Score 8; DB 2; Length 4536;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1079 GTYGLSCQ 1086
DB 1472 GTYGLSCQ 1479

RESULT 13

US-09-079-030-1

Sequence 1, Application US/09079030

Patent No. 6635623

GENERAL INFORMATION:

APPLICANT: Guevera, Jr., Juan G.

APPLICANT: Hoogeveen, Ron C.

APPLICANT: Moore, Paul J.

TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY

TITLE OF INVENTION: VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS

NUMBER OF SEQUENCES: 229

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: USA

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/079,030

FILING DATE: Concurrently Herewith

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: McMillian, Nabeela R.

REGISTRATION NUMBER: P-43,363

REFERENCE/DOCKET NUMBER: ARAG:003

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-3000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4536 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-09-079-030-1

Query Match 0.5%; Score 8; DB 2; Length 4536;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1079 GTYGLSCQ 1086
DB 1472 GTYGLSCQ 1479

RESULT 14

US-09-108-006C-1

Sequence 1, Application US/09108006C

Patent No. 6524613

GENERAL INFORMATION:

APPLICANT: Steer, Clifford J.

Kren, Betsy T.

Bandyopadhyay, Paramita

Roy-Chowdhury, Jayanta

TITLE OF INVENTION: Hepatocellular Chimeraplasty

NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:

US-09-180-422B-27


```
; ADDRESSER: Kimeragen, Inc.
; STREET: 300 Pheasant Run
; CITY: Newtown
; STATE: PA
; COUNTRY: USA
; ZIP: 18940
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/108,006C
; FILING DATE: 30-Jun-1992
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/054,288
; FILING DATE: 30-APR-1997
; APPLICATION NUMBER: 60/054,837
; FILING DATE: 05-AUG-1997
; APPLICATION NUMBER: 60/064,996
; FILING DATE: 10-NOV-1997
; APPLICATION NUMBER: 60/074,497
; FILING DATE: 12-FEB-1998
; APPLICATION NUMBER: PCT US 98/08834
; FILING DATE: 30-APR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Friebe1, Thomas
; REGISTRATION NUMBER: 29258
; REFERENCE/DOCKET NUMBER: 7991-015-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-504-4444
; TELEFAX: 215-504-4545
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4563 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-108-006C-1

Query Match          0.5%; Score 8; DB 2; Length 4563;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1079 GTYGLSCQ 1086
Db      1499 GTYGLSCQ 1506

RESULT 15
US-09-538-092-842
; Sequence 842, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratPatSegFormatter Version 0.9
; SEQ ID NO 842
; LENGTH: 4563
; TYPE: PRT
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P04114
US-09-538-092-842

Query Match          0.5%; Score 8; DB 2; Length 4563;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1079 GTYGLSCQ 1086
Db      1499 GTYGLSCQ 1506

RESULT 16
US-08-920-610-4
; Sequence 4, Application US/08920610
; Patent No. 6015709
; GENERAL INFORMATION:
; APPLICANT: Natesan, Sridaran
; TITLE OF INVENTION: TRANSCRIPTIONAL ACTIVATORS, AND
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/920,610
; FILING DATE: 27-AUG-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: APV-006.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-920-610-4

Query Match          0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      801 ALLTSQP 807
Db      12 ALLTSQP 18

RESULT 17
US-09-140-149-2
; Sequence 2, Application US/09140149
; Patent No. 6117680
; GENERAL INFORMATION:
; APPLICANT: Natesan, Sridaran
; APPLICANT: Gilman, Michael Z
```

```
; TITLE OF INVENTION: No. 6117680e1 Compositions and Methods for Regulation of
; TITLE OF INVENTION: Transcription
; FILE REFERENCE: 363C
; CURRENT APPLICATION NUMBER: US/09/140,149
; EARLIER APPLICATION NUMBER: 08/918,401
; EARLIER FILING DATE: 1997-08-26
; EARLIER APPLICATION NUMBER: 08/920,610
; EARLIER FILING DATE: 1997-08-27
; EARLIER APPLICATION NUMBER: 09/126,009
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: PCT/US97/15219
; EARLIER FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-140-149-2

Query Match      0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      801 ALLTSQP 807
Db      12 ALLTSQP 18

RESULT 18
US-08-672-213-4
; Sequence 4, Application US/08672213
; Patent No. 6306649
; GENERAL INFORMATION:
; APPLICANT: GILMAN, Michael Z.
; APPLICANT: NATESAN, Sridaran
; TITLE OF INVENTION: USE OF HETEROLOGOUS TRANSCRIPTION
; TITLE OF INVENTION: FACTORS IN GENE THERAPY
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARIAD Gene Therapeutics, Inc.
; STREET: 26 Landsdowne Street
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02139-4234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672,213
; FILING DATE: 27-JUN-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,553
; FILING DATE: 27-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/019,614
; FILING DATE: 29-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BERSTEIN, David L.
; REGISTRATION NUMBER: 31,235
; REFERENCE/DOCKET NUMBER: ARIAD 346B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-494-0400
; TELEFAX: 617-494-0208
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-672-213-4

Query Match      0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      801 ALLTSQP 807
Db      12 ALLTSQP 18

RESULT 19
US-08-973-131-31
; Sequence 31, Application US/08973131
; Patent No. 6326166
; GENERAL INFORMATION:
; APPLICANT: Pomerantz, Joel L.
; APPLICANT: Sharp, Phillip A.
; TITLE OF INVENTION: Chimeric DNA-binding proteins
; FILE REFERENCE: APY-022.02
; CURRENT APPLICATION NUMBER: US/08/973,131
; CURRENT FILING DATE: 1998-03-16
; EARLIER APPLICATION NUMBER: PCT/US95/16982
; EARLIER FILING DATE: 1995-12-29
; EARLIER APPLICATION NUMBER: 08/366,083
; EARLIER FILING DATE: 1994-12-29
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 18
; TYPE: PRT
; ORGANISM: human
US-08-973-131-31

Query Match      0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      801 ALLTSQP 807
Db      12 ALLTSQP 18

RESULT 20
US-09-615-917-2
; Sequence 2, Application US/09615917
; Patent No. 6479653
; GENERAL INFORMATION:
; APPLICANT: Natesan, Sridaran
; APPLICANT: Gilman, Michael Z
; TITLE OF INVENTION: No. 6479653e1 Compositions and Methods for Regulation of
; TITLE OF INVENTION: Transcription
; FILE REFERENCE: 363C continuation
; CURRENT APPLICATION NUMBER: US/09/615,917
; CURRENT FILING DATE: 2000-07-13
; PRIOR APPLICATION NUMBER: 08/918,401
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 08/920,610
; PRIOR FILING DATE: 1997-08-27
; PRIOR APPLICATION NUMBER: 09/126,009
; PRIOR FILING DATE: 1998-07-29
; PRIOR APPLICATION NUMBER: 09/140,149
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-09-615-917-2

Query Match 0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 801 ALTSQP 807
|||||
Db 12 ALTSQP 18

RESULT 21

US-09-513-999C-7681
; Sequence 7681, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 7681
; LENGTH: 52
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-7681

Query Match 0.4%; Score 7; DB 2; Length 52;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 801 ALTSQP 807
|||||
Db 35 ALTSQP 41

RESULT 22

US-09-540-236-2834
; Sequence 2834, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2834
; LENGTH: 61
; TYPE: PRT
; ORGANISM: M.catarhalis
US-09-540-236-2834

Query Match 0.4%; Score 7; DB 2; Length 61;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 897 DGDVSG 903
|||||
Db 30 DGDVSG 36

RESULT 23

US-09-107-532A-4945
; Sequence 4945, Application US/09107532A

; Patent No. 6583275

; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 7310

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENOME THERAPEUTICS CORPORATION

; STREET: 100 Beaver Street

; CITY: Waltham

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02354

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD/ROM ISO9660

; COMPUTER: PC

; OPERATING SYSTEM: <Unknown>

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/107,532A

; FILING DATE: 30-Jun-1998

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/085,598

; FILING DATE: 14 May 1998

; APPLICATION NUMBER: 60/051571

; FILING DATE: July 2, 1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Ariniello, Pamela Deneke

; REGISTRATION NUMBER: 40,489

; REFERENCE/DOCKET NUMBER: GTC-012

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (781)893-5007

; TELEFAX: (781)893-8277

; INFORMATION FOR SEQ ID NO: 4945:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 92 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: YES

; ORIGINAL SOURCE:

; ORGANISM: Enterococcus faecium

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (B) LOCATION 1...92

; SEQUENCE DESCRIPTION: SEQ ID NO: 4945:

US-09-107-532A-4945

Query Match 0.4%; Score 7; DB 2; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1254 KRCSISC 1260
|||||
Db 66 KRCSISC 72

RESULT 24

US-09-732-210-762
; Sequence 762, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Miltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07

```
/ PRIOR APPLICATION NUMBER: US 60/169,340
/ PRIOR FILING DATE: 1999-12-07
/ NUMBER OF SEQ ID NOS: 1753
/ SEQ ID NO 762
/ LENGTH: 103
/ TYPE: PRT
/ ORGANISM: Bacillus stearothermophilus
US-09-732-210-762
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      94 SGKDKGK 100
        |||||
Db       13 SGKDKGK 19
```

RESULT 25

```
US-09-732-210-763
/ Sequence 763, Application US/09732210
/ Patent No. 6573361
/ GENERAL INFORMATION:
/ APPLICANT: Bunkers, Greg J.
/ APPLICANT: Liang, Jihong
/ APPLICANT: Miltanck, Cindy A.
/ APPLICANT: Seale, Jeffrey W.
/ APPLICANT: Wu, Yonnie S.
/ TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
/ FILE REFERENCE: 38-21(15036)B
/ CURRENT APPLICATION NUMBER: US/09/732,210
/ CURRENT FILING DATE: 2000-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,513
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,340
/ PRIOR FILING DATE: 1999-12-07
/ NUMBER OF SEQ ID NOS: 1753
/ SEQ ID NO 763
/ LENGTH: 103
/ TYPE: PRT
/ ORGANISM: Bacillus subtilis
US-09-732-210-763
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      94 SGKDKGK 100
        |||||
Db       13 SGKDKGK 19
```

RESULT 26

```
US-09-732-210-765
/ Sequence 765, Application US/09732210
/ Patent No. 6573361
/ GENERAL INFORMATION:
/ APPLICANT: Bunkers, Greg J.
/ APPLICANT: Liang, Jihong
/ APPLICANT: Miltanck, Cindy A.
/ APPLICANT: Seale, Jeffrey W.
/ APPLICANT: Wu, Yonnie S.
/ TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
/ FILE REFERENCE: 38-21(15036)B
/ CURRENT APPLICATION NUMBER: US/09/732,210
/ CURRENT FILING DATE: 2000-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,513
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,340
/ PRIOR FILING DATE: 1999-12-07
/ NUMBER OF SEQ ID NOS: 1753
/ SEQ ID NO 765
/ LENGTH: 103
```

```
/ TYPE: PRT
/ ORGANISM: Escherichia coli
US-09-732-210-765
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDKGKR 101
        |||||
Db       15 GKDKGKR 21
```

RESULT 27

```
US-09-732-210-766
/ Sequence 766, Application US/09732210
/ Patent No. 6573361
/ GENERAL INFORMATION:
/ APPLICANT: Bunkers, Greg J.
/ APPLICANT: Liang, Jihong
/ APPLICANT: Miltanck, Cindy A.
/ APPLICANT: Seale, Jeffrey W.
/ APPLICANT: Wu, Yonnie S.
/ TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
/ FILE REFERENCE: 38-21(15036)B
/ CURRENT APPLICATION NUMBER: US/09/732,210
/ CURRENT FILING DATE: 2000-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,513
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,340
/ PRIOR FILING DATE: 1999-12-07
/ NUMBER OF SEQ ID NOS: 1753
/ SEQ ID NO 766
/ LENGTH: 103
/ TYPE: PRT
/ ORGANISM: Haemophilus influenzae
US-09-732-210-766
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDKGKR 101
        |||||
Db       16 GKDKGKR 22
```

RESULT 28

```
US-09-732-210-761
/ Sequence 761, Application US/09732210
/ Patent No. 6573361
/ GENERAL INFORMATION:
/ APPLICANT: Bunkers, Greg J.
/ APPLICANT: Liang, Jihong
/ APPLICANT: Miltanck, Cindy A.
/ APPLICANT: Seale, Jeffrey W.
/ APPLICANT: Wu, Yonnie S.
/ TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
/ FILE REFERENCE: 38-21(15036)B
/ CURRENT APPLICATION NUMBER: US/09/732,210
/ CURRENT FILING DATE: 2000-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,513
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: US 60/169,340
/ PRIOR FILING DATE: 1999-12-07
/ NUMBER OF SEQ ID NOS: 1753
/ SEQ ID NO 761
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Acyrthosiphon kondoi symbiotic bacterium
US-09-732-210-761
```

```
Query Match          0.4%; Score 7; DB 2; Length 104;
```


Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 95 GKDKGKR 101
|||||
Db 16 GKDKGKR 22

RESULT 29

US-09-711-164-323
; Sequence 323, Application US/097111164
; Patent No. 6589738
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERET
; FILE REFERENCE: ELITRA.008A
; CURRENT APPLICATION NUMBER: US/09/711,164
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: US 60/164415
; PRIOR FILING DATE: 1999-11-9
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 323
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-711-164-323

Query Match 0.4%; Score 7; DB 2; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 95 GKDKGKR 101
|||||
Db 16 GKDKGKR 22

RESULT 30

US-09-492-709A-321
; Sequence 321, Application US/09492709A
; Patent No. 6720139
; GENERAL INFORMATION:
; APPLICANT: Zyskind, Judith
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Trawick, John
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Froelich, Jamie M.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN
; TITLE OF INVENTION: ESCHERICHIA COLI
; FILE REFERENCE: ELITRA.001A
; CURRENT APPLICATION NUMBER: US/09/492,709A
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 485
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 321Z
; LENGTH: 104
; TYPE: PRT
; ORGANISM: E. Coli
US-09-492-709A-321

Query Match 0.4%; Score 7; DB 2; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 95 GKDKGKR 101
|||||
Db 16 GKDKGKR 22

RESULT 31
US-09-370-838-113
; Sequence 113, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-370-838-113

Query Match 0.4%; Score 7; DB 2; Length 107;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1419 ECPPPPS 1425
|||||
Db 87 ECPPPPS 93

RESULT 32
US-09-854-133-113
; Sequence 113, Application US/09854133
; Patent No. 6759508
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-854-133-113

Query Match 0.4%; Score 7; DB 2; Length 107;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1419 ECPPPPS 1425
|||||
Db 87 ECPPPPS 93

RESULT 33
US-09-252-991A-21351
; Sequence 21351, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

```

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21351
; LENGTH: 108
; TYPE: PRF
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21351

```

Query Match	0.4%	Score 7;	DB 2;	Length 108;
Best Local Similarity	100.0%	Pred. No. 1.7e+02;		
Matches	7;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

Qy	95	GKDKGKR	101
Db	19	GKDKGKR	25

```

RESULT 34
US-09-732-210-774
; Sequence 774, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Butkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 774
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Micrococcus luteus
US-09-732-210-774

```

```
Query Match      : 0.4%; Score 7; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY	94	SGKDKGK	100
Db	14	SGKDKGK	20

```

: RESULT 35
: US-09-732-210-780
: Sequence 780, Application US/09732210
: Patent No. 6573361
: GENERAL INFORMATION:
: APPLICANT: Bunkers, Greg J.
: APPLICANT: Liang, Jihong
: APPLICANT: Mitanck, Cindy A.
: APPLICANT: Seale, Jeffrey W.
: APPLICANT: Wu, Yonnie S.
: TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
: FILE REFERENCE: 38-21(15036)B
: CURRENT APPLICATION NUMBER: US/09/732,210
: CURRENT FILING DATE: 2000-12-07
: PRIOR APPLICATION NUMBER: US 60/169,513

```

```

; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 780
; LENGTH: 115
; TYPE: prt
; ORGANISM: Synechocystis sp. (strain PCC 6803)
US-09-732-210-780

```

```
Query Match      0.4%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY	94	SGKDKGK	100
Db	25	SGKDKGK	31

```

RESULT 36
US-09-543-681A-7205
; Sequence 7205, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 7205
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-7205

```

Query Match	0.4%	Score 7;	DB 2;	Length 116;
Best Local Similarity	100.0%;	Pred. No. 1.8e+02;		
Matches 7;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	95	GKDKGKR	101
Db	28	GKDKGKR	34

```

RESULT 37
US-09-489-039A-10900
; Sequence 10900, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10900
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-10900

```

```
Query Match      0.4%; Score 7; DB 2; Length 118;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 95 GKDKGR 101

Db 30 GKDGGKR 36

RESULT 38

US-09-270-767-56640
; Sequence 56640, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56640
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-56640

Query Match 0.4%; Score 7; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 RERLLR 42
Db 103 RERLLR 109

RESULT 39

US-09-248-796A-27858
; Sequence 27858, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 27858
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Candida albicans
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (53)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-09-248-796A-27858

Query Match 0.4%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TDNFTPN 588
Db 84 TDNFTPN 90

RESULT 40

US-09-902-540-11618
; Sequence 11618, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11618
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11618

Query Match 0.4%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 829 ASGLPVP 835
Db 43 ASGLPVP 49

RESULT 41

US-09-270-767-40611
; Sequence 40611, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40611
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-40611

Query Match 0.4%; Score 7; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1072 RGSNHS 1078
Db 101 RGSNHS 107

RESULT 42

US-09-270-767-55827
; Sequence 55827, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55827
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55827

Query Match 0.4%; Score 7; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1072 RGSNHS1 1078
|||
Db 101 RGSNHS1 107

RESULT 43

US-09-710-279-1852
; Sequence 1852, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 1852
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-710-279-1852

Query Match 0.4%; Score 7; DB 2; Length 136;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 70 AIIAGVF 76
|||
Db 18 AIIAGVF 24

RESULT 44

US-09-949-016-8944
; Sequence 8944, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 8944
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8944

Query Match 0.4%; Score 7; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 892 GEECDG 898
|||
Db 112 GEECDG 118

RESULT 45
US-09-605-703B-2488

; Sequence 2488, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberkauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2488
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2488

Query Match 0.4%; Score 7; DB 2; Length 143;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1117 VGISAVA 1123
|||
Db 106 VGISAVA 112

RESULT 46

US-09-252-991A-16576
; Sequence 16576, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16576
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16576

Query Match 0.4%; Score 7; DB 2; Length 144;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 828 FAGSLPV 834
|||
Db 44 FAGSLPV 50

RESULT 47

US-09-270-767-40126
; Sequence 40126, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767


```

; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 40126
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-40126

```

```

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 149;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 681 AVGPPDV 687
Db 86 AVGPPDV 92

```

```

RESULT 48
US-09-270-767-55342
; Sequence 55342, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 55342
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55342

```

```

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 149;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 681 AVGPPDV 687
Db 86 AVGPPDV 92

```

```

RESULT 49
US-09-917-340-29
; Sequence 29, Application US/09917340
; Patent No. 6696238
; GENERAL INFORMATION:
; APPLICANT: Murphy, Christopher J.
; APPLICANT: McAnulty, Jonathan F.
; APPLICANT: Reid, Ted W.
; TITLE OF INVENTION: Transplant Media
; FILE REFERENCE: TPLANT-06468
; CURRENT APPLICATION NUMBER: US/09/917,340
; CURRENT FILING DATE: 2001-07-29
; PRIOR APPLICATION NUMBER: 60/221,632
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/249,602
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/290,932
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 29
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-917-340-29

```

```

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 155;
Matches 7; Conservative 100.0%; Pred. No. 2.4e+02;

```

```

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 425 DPDSPKR 431
Db 69 DPDSPKR 75

```

```

RESULT 50
US-09-270-767-32592
; Sequence 32592, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 32592
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-32592

```

```

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 181;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 799 DAALLTS 805
Db 145 DAALLTS 151

```

```

RESULT 51
US-09-270-767-47809
; Sequence 47809, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 47809
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-47809

```

```

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 181;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 799 DAALLTS 805
Db 145 DAALLTS 151

```

```

RESULT 52
US-09-543-681A-4479
; Sequence 4479, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

```

```
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4479
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4479
```

```
Query Match      0.4%; Score 7; DB 2; Length 193;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      37 ERLLRP 43
        |||||
Db      19 ERLLRP 25
```

```
RESULT 53
US-09-583-110-5165
; Sequence 5165, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5165
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5165
```

```
Query Match      0.4%; Score 7; DB 2; Length 195;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      37 ERLLRP 43
        |||||
Db      23 ERLLRP 29
```

```
RESULT 54
US-09-107-433-3611
; Sequence 3611, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
```

```
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3611:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 201 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...201
; SEQUENCE DESCRIPTION: SEQ ID NO: 3611:
US-09-107-433-3611
```

```
Query Match      0.4%; Score 7; DB 2; Length 201;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      37 ERLLRP 43
        |||||
Db      29 ERLLRP 35
```

```
RESULT 55
US-09-252-991A-17282
; Sequence 17282, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17282
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17282
```

```
Query Match      0.4%; Score 7; DB 2; Length 203;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      857 QVLAAG 863
        |||||
Db      138 QVLAAG 144
```

```
RESULT 56
US-09-345-473E-6
; Sequence 6, Application US/09345473E
; Patent No. 6558903
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin
; TITLE OF INVENTION: No. 6558903el Kinases and Uses Thereof
; FILE REFERENCE: 35800/183781
; CURRENT APPLICATION NUMBER: US/09/345,473E
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-345-473E-6

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 209;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Oy 37 ERLLRP 43
Db 83 ERLLRP 89

RESULT 57
US-09-862-027-6
; Sequence 6, Application US/09862027
; Patent No. 6858418
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. 6858418el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-862-027-6

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 209;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Oy 37 ERLLRP 43
Db 83 ERLLRP 89

RESULT 58
US-09-489-039A-9282
; Sequence 9282, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9282
; LENGTH: 211
; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9282

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 211;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Oy 371 LTGYDGG 377
Db 157 LTGYDGG 163

RESULT 59
US-09-543-681A-4702
; Sequence 4702, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4702
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4702

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 212;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1128 SRIGLSA 1134
Db 65 SRIGLSA 71

RESULT 60
US-09-489-039A-10398
; Sequence 10398, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10398
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-10398

Query Match
Best Local Similarity 0.4%; Score 7; DB 2; Length 214;
Matches 7; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1127 SRRIGLS 1133
Db 59 SRRIGLS 65

RESULT 61
US-09-543-681A-5834
; Sequence 5834, Application US/09543681A
```

```
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 5834
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-5834

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 215;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 371 LTGYDGG 377
Db 161 LTGYDGG 167

RESULT 62
US-09-328-352-4496
; Sequence 4496, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gaty L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 4496
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-4496

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 222;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 514 GVSERES 520
Db 203 GVSERES 209

RESULT 63
US-09-252-991A-29073
; Sequence 29073, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29073
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
```

```
US-09-252-991A-29073

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 232;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 89 ALGIRSG 95
Db 141 ALGIRSG 147

RESULT 64
US-09-134-000C-5622
; Sequence 5622, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5622
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5622

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 237;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 481 GIVLSPA 487
Db 113 GIVLSPA 119

RESULT 65
US-09-328-352-5920
; Sequence 5920, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5920
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5920

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 241;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 LPILYFS 33
Db 224 LPILYFS 230

RESULT 66
US-09-252-991A-21937
; Sequence 21937, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
```



```

; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21937
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21937
```

```

Query Match      0.4%; Score 7; DB 2; Length 244;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      42 RPEVLAE 48
        |||||
Db      113 RPEVLAE 119
```

```

RESULT 67
US-10-104-047-3323
; Sequence 3323, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3323
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3323
```

```

Query Match      0.4%; Score 7; DB 2; Length 245;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      59 WKPEEG 65
        |||||
Db      202 WKPEEG 208
```

```

RESULT 68
US-09-252-991A-32400
; Sequence 32400, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32400
; LENGTH: 247
```

```

; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32400
```

```

Query Match      0.4%; Score 7; DB 2; Length 247;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1166 LLDHAD 1172
        |||||
Db      193 LLDHAD 199
```

```

RESULT 69
US-09-248-796A-14220
; Sequence 14220, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Kelch Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 14220
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-14220
```

```

Query Match      0.4%; Score 7; DB 2; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      153 ASSLDQS 159
        |||||
Db      136 ASSLDQS 142
```

```

RESULT 70
US-09-602-777A-388
; Sequence 388, Application US/09602777A
; Patent No. 6831165
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroeder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
```

```
/ PRIOR APPLICATION NUMBER: DE 19932226.0
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932920.6
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932922.2
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932924.9
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932928.1
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932930.3
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932933.8
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932935.4
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932973.7
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19933002.6
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19933003.4
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19933005.0
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19933006.9
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19941378.9
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: DE 19941379.7
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: DE 19941390.8
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: DE 19941391.6
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: DE 19942088.2
/ PRIOR FILING DATE: 1999-09-03
/ NUMBER OF SEQ ID NOS: 442
/ SEQ ID NO 388
/ LENGTH: 250
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-09-602-777A-388
```

```
Query Match          0.4%; Score 7; DB 2; Length 250;
Best local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1117 VGISAVA 1123
         |||||
Db       106 VGISAVA 112
```

```
RESULT 71
US-09-270-767-33191
/ Sequence 33191, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO 33191
/ LENGTH: 251
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-33191
```

```
Query Match          0.4%; Score 7; DB 2; Length 251;
```

```
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      152 VASSLDQ 158
         |||||
Db       164 VASSLDQ 170
```

```
RESULT 72
US-09-270-767-48408
/ Sequence 48408, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO 48408
/ LENGTH: 251
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-48408
```

```
Query Match          0.4%; Score 7; DB 2; Length 251;
Best local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      152 VASSLDQ 158
         |||||
Db       164 VASSLDQ 170
```

```
RESULT 73
US-09-270-767-59674
/ Sequence 59674, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO 59674
/ LENGTH: 255
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-59674
```

```
Query Match          0.4%; Score 7; DB 2; Length 255;
Best local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1421 PPPPSL 1427
         |||||
Db       189 PPPPSL 195
```

```
RESULT 74
US-09-270-767-47059
/ Sequence 47059, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
```

```
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47059
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47059
```

```
Query Match          0.4%; Score 7; DB 2; Length 261;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1199 SSGQYIR 1205
        |||||||
Db       192 SSGQYIR 198
```

RESULT 75

```
US-09-902-540-12687
; Sequence 12687, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 12687
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-12687
```

```
Query Match          0.4%; Score 7; DB 2; Length 264;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1196 LQASSGQ 1202
        |||||||
Db       173 LQASSGQ 179
```

RESULT 76

```
US-09-949-016-8843
; Sequence 8843, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8843
; LENGTH: 266
; TYPE: PRT
```

```
; ORGANISM: Human
US-09-949-016-8843
```

```
Query Match          0.4%; Score 7; DB 2; Length 266;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      318 HEALNEA 324
        |||||||
Db       100 HEALNEA 106
```

RESULT 77

```
US-09-949-016-8844
; Sequence 8844, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8844
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8844
```

```
Query Match          0.4%; Score 7; DB 2; Length 266;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      318 HEALNEA 324
        |||||||
Db       100 HEALNEA 106
```

RESULT 78

```
US-09-270-767-44311
; Sequence 44311, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44311
; LENGTH: 272
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-44311
```

```
Query Match          0.4%; Score 7; DB 2; Length 272;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1364 PPPPVFE 1370
        |||||||
Db       24 PPPPVFE 30
```

```
RESULT 79
US-09-949-016-11337
; Sequence 11337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11337
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11337
```

```
Query Match          0.4%; Score 7; DB 2; Length 274;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      744 SSQVLF 750
      |||||
Db      217 SSQVLF 223
```

```
RESULT 80
US-09-071-252-16
; Sequence 16, Application US/09071252C
; Patent No. 6682738
; GENERAL INFORMATION:
; APPLICANT: Cogrove, Daniel J
; TITLE OF INVENTION: BETA-EXPANSINS AS CELL WALL LOOSENING AGENTS,
; TITLE OF INVENTION: COMPOSITIONS THEREOF AND METHODS OF USE
; FILE REFERENCE: 11940E183
; CURRENT APPLICATION NUMBER: US/09/071,252C
; CURRENT FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: 60/045,445
; EARLIER FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Glycine max
US-09-071-252-16
```

```
Query Match          0.4%; Score 7; DB 2; Length 277;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      437 KELKEAL 443
      |||||
Db      206 KELKEAL 212
```

```
RESULT 81
US-09-248-796A-17143
; Sequence 17143, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
```

```
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 17143
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-17143
```

```
Query Match          0.4%; Score 7; DB 2; Length 277;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      413 DPQVADV 419
      |||||
Db      236 DPQVADV 242
```

```
RESULT 82
US-09-902-540-14737
; Sequence 14737, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14737
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-14737
```

```
Query Match          0.4%; Score 7; DB 2; Length 277;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      845 DVEVTPG 851
      |||||
Db      156 DVEVTPG 162
```

```
RESULT 83
US-09-252-991A-32062
; Sequence 32062, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32062
; LENGTH: 286
```


TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32062

Query Match 0.4%; Score 7; DB 2; Length 286;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 664 ASSRRVC 670
|||||
Db 275 ASSRRVC 281

RESULT 84
US-09-446-301A-6
Sequence 6, Application US/09446301A
Patent No. 6506893
GENERAL INFORMATION:
APPLICANT: EL SOLH, NEVINE
APPLICANT: ALLIGNET, JEANINE
TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
TITLE OF INVENTION: COMPOUNDS
FILE REFERENCE: 03715-0059
CURRENT APPLICATION NUMBER: US/09/446,301A
CURRENT FILING DATE: 1999-12-20
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 294
TYPE: PRT
ORGANISM: Staphylococcus sp.
US-09-446-301A-6

Query Match 0.4%; Score 7; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 SSIDQSG 160
|||||
Db 39 SSIDQSG 45

RESULT 85
US-09-099-932-6
Sequence 6, Application US/09099932
Patent No. 6570001
GENERAL INFORMATION:
APPLICANT: EL SOLH, NEVINE
APPLICANT: ALLIGNET, JEANINE
TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
TITLE OF INVENTION: COMPOUNDS
FILE REFERENCE: 03495.0173-00000
CURRENT APPLICATION NUMBER: US/09/099,932
CURRENT FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: 60/050,380
EARLIER FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 295
TYPE: PRT
ORGANISM: Staphylococcus
US-09-099-932-6

Query Match 0.4%; Score 7; DB 2; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 SSIDQSG 160
|||||
Db 39 SSIDQSG 45

RESULT 86
US-10-392-970-6
Sequence 6, Application US/10392970
Patent No. 6936422
GENERAL INFORMATION:
APPLICANT: EL SOLH, NEVINE
APPLICANT: ALLIGNET, JEANINE
TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
TITLE OF INVENTION: COMPOUNDS
FILE REFERENCE: 03495.0173-00000
CURRENT APPLICATION NUMBER: US/10/392,970
CURRENT FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: US/09/099,932
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/050,380
PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 295
TYPE: PRT
ORGANISM: Staphylococcus
US-10-392-970-6

Query Match 0.4%; Score 7; DB 2; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 SSIDQSG 160
|||||
Db 39 SSIDQSG 45

RESULT 87
US-08-849-536A-5
Sequence 5, Application US/08849536A
Patent No. 5853976
GENERAL INFORMATION:
APPLICANT: HESSE, Friederike
APPLICANT: AMBROSIOUS, Dorothee
APPLICANT: BORTSCHER, Helmut
TITLE OF INVENTION: RECOMBINANT PROTEINASE FROM CLOSTRIDIUM
TITLE OF INVENTION: HISTOLYTICUM AND ITS USE FOR ISOLATING CELLS AND GROUPS OF CEL
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
STREET: 655 15th St., N.W., Suite 330 - G St. lobby
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-5701
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,536A
FILING DATE: Herewith
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wong, King L.
REGISTRATION NUMBER: 37,500
REFERENCE/DOCKET NUMBER: 1614-7026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638 - 5000
TELEFAX: (202) 638 - 4810
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 313 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-849-536A-5

Query Match 0.4%; Score 7; DB 1; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 320 ALNEAFS 326
Db 166 ALNEAFS 172

RESULT 88
US-09-107-532A-6954
; Sequence 6954, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6954:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 313 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...313
; SEQUENCE DESCRIPTION: SEQ ID NO: 6954:
US-09-107-532A-6954

Query Match 0.4%; Score 7; DB 2; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 SQVGLPI 29
Db 158 SQVGLPI 164

RESULT 89
US-09-477-962-103
; Sequence 103, Application US/09477962
; Patent No. 6927286
; GENERAL INFORMATION:
; APPLICANT: SHEN, BEN
; APPLICANT: DU, LIANGCHENG
; APPLICANT: SANCHEZ, CESAR
; APPLICANT: CHEN, MEI
; APPLICANT: EDWARDS, DANIEL J.
; TITLE OF INVENTION: BLEOMYCIN GENE CLUSTER COMPONENTS AND THEIR USES
; FILE REFERENCE: 407T-895820US
; CURRENT APPLICATION NUMBER: US/09/477,962
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 60/115,435
; PRIOR FILING DATE: 1999-01-06
; PRIOR APPLICATION NUMBER: 60/118,848
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 103
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Streptomyces verticillius
; FEATURE:
; OTHER INFORMATION: ORF20
US-09-477-962-103

Query Match 0.4%; Score 7; DB 2; Length 325;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 857 QVLAEG 863
Db 315 QVLAEG 321

RESULT 90
US-09-134-000C-5010
; Sequence 5010, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5010
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5010

Query Match 0.4%; Score 7; DB 2; Length 345;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 QVLPDTE 752
Db 68 QVLPDTE 74

RESULT 91
US-09-857-447-1
; Sequence 1, Application US/09857447
; Patent No. 6582933

```
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: Rela-ASSOCIATED INHIBITOR, PROCESS FOR PRODUCING THE SAME AND UTI
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: Q64802
; CURRENT APPLICATION NUMBER: US/09/857,447
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: JPA Hei. 10-344038
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (145)..(174)
; OTHER INFORMATION: Ankyrin repeat
; NAME/KEY: DOMAIN
; LOCATION: (176)..(207)
; OTHER INFORMATION: Ankyrin repeat
; NAME/KEY: DOMAIN
; LOCATION: (209)..(241)
; OTHER INFORMATION: Ankyrin repeat
; NAME/KEY: DOMAIN
; LOCATION: (243)..(275)
; OTHER INFORMATION: Ankyrin repeat
; NAME/KEY: DOMAIN
; LOCATION: (287)..(338)
; OTHER INFORMATION: SH3 domain
US-09-857-447-1
```

```
Query Match      0.4%; Score 7; DB 2; Length 351;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      45 VLAEIPR 51
      |||||||
Db      36 VLAEIPR 42
```

```
RESULT 92
US-09-902-540-12834
; Sequence 12834, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 12834
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-12834
```

```
Query Match      0.4%; Score 7; DB 2; Length 352;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      827 PFASGLP 833
      |||||||
Db      41 PFASGLP 47
```

```
RESULT 93
US-09-724-623-66
; Sequence 66, Application US/09724623
; Patent No. 6476209
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Lubbers, Mark W
; APPLICANT: Dekker, James
; TITLE OF INVENTION: Polynucleotides, materials incorporating
; TITLE OF INVENTION: them, and methods for using them.
; FILE REFERENCE: 1048U1
; CURRENT APPLICATION NUMBER: US/09/724,623
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Lactobacillus rhamnosus
US-09-724-623-66
```

```
Query Match      0.4%; Score 7; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      636 SGVYDR 642
      |||||||
Db      175 SGVYDR 181
```

```
RESULT 94
US-08-513-278-2
; Sequence 2, Application US/08513278
; Patent No. 5840844
; GENERAL INFORMATION:
; APPLICANT: LASKY, LAURENCE A.
; APPLICANT: STACHELL, SCOTT E.
; APPLICANT: ROSEN, STEVEN D.
; APPLICANT: SINGER, MARK S.
; APPLICANT: YEDNOCK, TED A.
; TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,278
; FILING DATE: 10-AUG-1995
; CLASSIFICATION: 5530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/059027
; FILING DATE: 06-MAY-1993
; APPLICATION NUMBER: 07/786149
; FILING DATE: 31-OCT-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/315015
; FILING DATE: 23-FEB-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: 565D1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3216
; TELEFAX: 415/952-9881
```

TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 372 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-513-278-2

Query Match 0.4%; Score 7; DB 1; Length 372;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1244 FSCSEGT 1250
Db 225 FSCSEGT 231

RESULT 95
5514582-2

; Patent No. 5514582
; APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.
; TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
; IMMUNOGLOBULINS,
; NUMBER OF SEQUENCES: 43
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/185,670
; FILING DATE: 21-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 986,931
; FILING DATE: 08-DEC-1992
; APPLICATION NUMBER: 808,122
; FILING DATE: 16-DEC-1991
; APPLICATION NUMBER: 440,625
; FILING DATE: 22-NOV-1989
; APPLICATION NUMBER: 315,015
; FILING DATE: 23-FEB-1989
; SEQ ID NO: 2:
; LENGTH: 372
5514582-2

Query Match 0.4%; Score 7; DB 6; Length 372;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1244 FSCSEGT 1250
Db 225 FSCSEGT 231

RESULT 96
US-08-340-539A-2
; Sequence 2, Application US/08340539A
; Patent No. 5808025
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FISH & NEAVE
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,539A

; FILING DATE: 16-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gunnison, Jane
; REGISTRATION NUMBER: 38,479
; REFERENCE/DOCKET NUMBER: CG-104 CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-340-539A-2

Query Match 0.4%; Score 7; DB 1; Length 385;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1244 FSCSEGT 1250
Db 238 FSCSEGT 244

RESULT 97
US-08-461-592B-2

; Sequence 2, Application US/08461592B
; Patent No. 5834425
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
; STREET: Ten Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,592B
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/340,539
; FILING DATE: 16-NOV-1994
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CG-104
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; TELEX: 14-8367
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid

; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-461-592B-2

Query Match 0.4%; Score 7; DB 1; Length 385;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250
|||||||
Db 238 FSCSEGT 244

RESULT 98

US-09-902-540-16462
; Sequence 16462, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16462
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16462

Query Match 0.4%; Score 7; DB 2; Length 385;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
|||||||
Db 257 ATDLVLT 263

RESULT 99

US-09-710-279-552
; Sequence 552, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 552
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-552

Query Match 0.4%; Score 7; DB 2; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSR 667
|||||||

Db 72 VHTASSR 78

RESULT 100

US-09-248-796A-20419
; Sequence 20419, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Kelth Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20419
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-20419

Query Match 0.4%; Score 7; DB 2; Length 397;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1043 RAIFIFL 1049
|||||||
Db 172 RAIFIFL 178

RESULT 101

US-09-170-496D-114
; Sequence 114, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 114
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-114

Query Match 0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
|||||||
Db 236 RRERLL 242

RESULT 102

US-09-170-496D-224
; Sequence 224, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-

```
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 224
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-224
```

```
Query Match      0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      35 RRERLL 41
Db      236 RRERLL 242
```

```
RESULT 103
US-09-743-742B-4
; Sequence 4, Application US/09743742B
; Patent No. 6599718
; GENERAL INFORMATION:
; APPLICANT: Liu, Qingyun
; APPLICANT: McKee, Karen Kulju
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RELATED
; TITLE OF INVENTION: RECEPTORS AND NUCLEIC ACIDS
; FILE REFERENCE: 20217YP
; CURRENT APPLICATION NUMBER: US/09/743,742B
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: PCT/US99/15941
; PRIOR FILING DATE: 1999-07-13
; PRIOR APPLICATION NUMBER: 60/092,623
; PRIOR FILING DATE: 1998-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-742B-4
```

```
Query Match      0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      35 RRERLL 41
Db      236 RRERLL 242
```

```
RESULT 104
US-09-743-742B-10
; Sequence 10, Application US/09743742B
; Patent No. 6599718
; GENERAL INFORMATION:
; APPLICANT: Liu, Qingyun
; APPLICANT: Howard, Andrew D.
; APPLICANT: McKee, Karen Kulju
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RELATED
; TITLE OF INVENTION: RECEPTORS AND NUCLEIC ACIDS
; FILE REFERENCE: 20217YP
; CURRENT APPLICATION NUMBER: US/09/743,742B
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: PCT/US99/15941
; PRIOR FILING DATE: 1999-07-13
; PRIOR APPLICATION NUMBER: 60/092,623
; PRIOR FILING DATE: 1998-07-13
; NUMBER OF SEQ ID NOS: 11
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-742B-10
```

```
Query Match      0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      35 RRERLL 41
Db      236 RRERLL 242
```

```
RESULT 105
US-09-270-767-36688
; Sequence 36688, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36688
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-36688
```

```
Query Match      0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      886 KVSERLG 892
Db      99 KVSERLG 105
```

```
RESULT 106
US-09-270-767-51905
; Sequence 51905, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51905
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-51905
```

```
Query Match      0.4%; Score 7; DB 2; Length 403;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      886 KVSERLG 892
Db      99 KVSERLG 105
```

```
RESULT 107
US-09-248-796A-14591
; Sequence 14591, Application US/09248796A
```

```
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 14591
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-14591
```

```
Query Match          0.4%; Score 7; DB 2; Length 408;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1527 SSTLSK 1533
Db       16 SSTLSK 22
```

```
RESULT 108
US-09-560-761B-24
; Sequence 24, Application US/09560761B
; Patent No. 6787683
; GENERAL INFORMATION:
; APPLICANT: Dellapenna, Dean
; APPLICANT: Colakova, Eva
; APPLICANT: Coughlan, Sean J.
; APPLICANT: Helentjaris, Timothy G.
; TITLE OF INVENTION: PHYTYL/PRENYLTRANSFERASE NUCLEIC ACIDS,
; TITLE OF INVENTION: POLYPEPTIDES AND USES THEREOF
; FILE REFERENCE: 1095R
; CURRENT APPLICATION NUMBER: US/09/560,761B
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/307,460
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Glycine max
US-09-560-761B-24
```

```
Query Match          0.4%; Score 7; DB 2; Length 409;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      452 NIYPASS 458
Db       31 NIYPASS 37
```

```
RESULT 109
US-09-328-352-5085
; Sequence 5085, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
```

```
; SEQ ID NO 5085
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5085
```

```
Query Match          0.4%; Score 7; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1006 VASENET 1012
Db       53 VASENET 59
```

```
RESULT 110
US-09-689-343E-4
; Sequence 4, Application US/09689343E
; Patent No. 6846658
; GENERAL INFORMATION:
; APPLICANT: Valsvila, Romualdus
; APPLICANT: Morgan, Richard D.
; APPLICANT: Kucera, Rebecca B.
; APPLICANT: Claus, Toby B.
; APPLICANT: Raleigh, Elisabeth A.
; TITLE OF INVENTION: Method For Cloning And Producing The MseI Restriction
; TITLE OF INVENTION: Endonuclease
; FILE REFERENCE: NEB-181
; CURRENT APPLICATION NUMBER: US/09/689,343E
; CURRENT FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 411
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Environmental DNA
; NAME/KEY: misc feature
; LOCATION: (198)..(198)
; OTHER INFORMATION: Xaa = any amino acid
US-09-689-343E-4
```

```
Query Match          0.4%; Score 7; DB 2; Length 411;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      311 EEOIRLQ 317
Db       333 EEOIRLQ 339
```

```
RESULT 111
US-09-540-236-2578
; Sequence 2578, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2578
; LENGTH: 414
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2578
```

```
Query Match          0.4%; Score 7; DB 2; Length 414;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
```

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1278 DGLWSLP 1284
|||||
Db 291 DGLWSLP 297

RESULT 112
US-09-252-991A-19847
; Sequence 19847, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19847
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19847

Query Match 0.4%; Score 7; DB 2; Length 427;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 860 AEAGGEL 866
|||||
Db 332 AEAGGEL 338

RESULT 113
US-09-252-991A-32589
; Sequence 32589, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32589
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32589

Query Match 0.4%; Score 7; DB 2; Length 431;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 993 LPNHRPL 999
|||||
Db 49 LPNHRPL 55

RESULT 114
US-08-466-120-2
; Sequence 2, Application US/08466120
; Patent No. 5869284

; GENERAL INFORMATION:
; APPLICANT: CAO, ET AL.
; TITLE OF INVENTION: Retinoic Acid Receptor Epsilon
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,120
; FILING DATE: June 6, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/07266
; FILING DATE: 24 JUN 94
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-354
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 433 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-466-120-2

Query Match 0.4%; Score 7; DB 1; Length 433;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEEQIRL 316
|||||
Db 156 SEEQIRL 162

RESULT 115
PCT-US94-07266-2
; Sequence 2, Application PC/TUS9407266
; GENERAL INFORMATION:
; APPLICANT: CAO, ET AL.
; TITLE OF INVENTION: Retinoic Acid Receptor Epsilon
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/07266
; FILING DATE: Concurrently
; CLASSIFICATION:

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: FERRARO, GREGORY D.
;; REGISTRATION NUMBER: 36,134
;; REFERENCE/DOCKET NUMBER: 325800-125
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 201-994-1700
;; TELEFAX: 201-994-1744
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 433 AMINO ACIDS
;; TYPE: AMINO ACID
;; STRANDEDNESS:
;; TOPOLOGY: LINEAR
;; MOLECULE TYPE: PROTEIN
PCT-US94-07266-2

Query Match 0.4%; Score 7; DB 4; Length 433;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 310 SEEQIRL 316
Db 156 SEEQIRL 162

RESULT 116
US-08-333-358-8
; Sequence 8, Application US/08333358
; Patent No. 5571696
; GENERAL INFORMATION:
; APPLICANT: EVANS Ph.D., RONALD M.
; APPLICANT: MANGELSDORF Ph.D., DAVID J.
; APPLICANT: ONG Ms., ESTELITA S.
; APPLICANT: ORO Ph.D., ANTHONY E.
; APPLICANT: BORGMEYER Ph.D., UWE K.
; APPLICANT: GIGUERE Ph.D., VINCENT NMN
; APPLICANT: YAO Mr., TSO-PANG NMN
; TITLE OF INVENTION: NOVEL RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 So. Flower St., Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: US
; ZIP: 90071-2921
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/333,358
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/761,068
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter Ph.D., Stephen E.
; REGISTRATION NUMBER: 31192
; REFERENCE/DOCKET NUMBER: P31 8936
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 440 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

;; MOLECULE TYPE: protein
US-08-333-358-8

Query Match 0.4%; Score 7; DB 1; Length 440;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 310 SEEQIRL 316
Db 163 SEEQIRL 169

RESULT 117
US-08-463-694-8
; Sequence 8, Application US/08463694
; Patent No. 5696233
; GENERAL INFORMATION:
; APPLICANT: EVANS Ph.D., RONALD M.
; APPLICANT: MANGELSDORF Ph.D., DAVID J.
; APPLICANT: ONG Ms., ESTELITA S.
; APPLICANT: ORO Ph.D., ANTHONY E.
; APPLICANT: BORGMEYER Ph.D., UWE K.
; APPLICANT: GIGUERE Ph.D., VINCENT NMN
; APPLICANT: YAO Mr., TSO-PANG NMN
; TITLE OF INVENTION: NOVEL RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 So. Flower St., Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: US
; ZIP: 90071-2921
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,694
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/761,068
; FILING DATE: 17-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter Ph.D., Stephen E.
; REGISTRATION NUMBER: 31192
; REFERENCE/DOCKET NUMBER: P31 8936
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 440 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-463-694-8

Query Match 0.4%; Score 7; DB 1; Length 440;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 310 SEEQIRL 316
Db 163 SEEQIRL 169

RESULT 118
US-08-694-501-8
; Sequence 8, Application US/08694501
; Patent No. 5710004

```
; GENERAL INFORMATION:
; APPLICANT: EVANS Ph.D., RONALD M.
; APPLICANT: MANGELSDORF Ph.D., DAVID J.
; APPLICANT: ONG Ms., ESTELITA S.
; APPLICANT: ORO Ph.D., ANTHONY E.
; APPLICANT: BORGMAYER Ph.D., UWE K.
; APPLICANT: GIGUERE Ph.D., VINCENT NMN
; APPLICANT: YAO Mr., TSO-PANG NMN
; TITLE OF INVENTION: NOVEL RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 So. Flower St., Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: US
; ZIP: 90071-2921
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/694,501
; FILING DATE: 07-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/333,358
; FILING DATE:
; APPLICATION NUMBER: US/07/761,068
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter Ph.D., Stephen E.
; REGISTRATION NUMBER: 31192
; REFERENCE/DOCKET NUMBER: P31 8936
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 440 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-694-501-8

Query Match      0.4%; Score 7; DB 1; Length 440;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      310 SEEQIRL 316
      |||||
Db      163 SEEQIRL 169

RESULT 119
US-09-134-001C-3148
; Sequence 3148, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3148
; LENGTH: 443
```

```
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-3148

Query Match      0.4%; Score 7; DB 2; Length 443;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      661 VHTASSR 667
      |||||
Db      121 VHTASSR 127

RESULT 120
US-08-373-935-1
; Sequence 1, Application US/08373935
; Patent No. 5747661
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Mangelsdorf, David J.
; APPLICANT: Willy, Patricia J.
; TITLE OF INVENTION: IDENTIFICATION OF A DISTINCT
; TITLE OF INVENTION: RETINOID-RESPONSIVE PATHWAY AND USES THEREFOR
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,935
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9894
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-4737
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-373-935-1

Query Match      0.4%; Score 7; DB 1; Length 447;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      310 SEEQIRL 316
      |||||
Db      170 SEEQIRL 176

RESULT 121
US-10-329-668-2
; Sequence 2, Application US/10329668
; Patent No. 6696473
; GENERAL INFORMATION:
; APPLICANT: Martin Richard
; APPLICANT: Brenton Todd
; APPLICANT: Kahl Jeffrey Dean
; APPLICANT: Wang Tie-Lin
```

```
; TITLE OF INVENTION: HETEROCYCLIC MODULATORS OF NUCLEAR RECEPTORS
; FILE REFERENCE: 38205-3001
; CURRENT APPLICATION NUMBER: US/10/329,668
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: 60/342,720
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-329-668-2

Query Match      0.4%; Score 7; DB 2; Length 447;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      310 SEEQIRL 316
Db      170 SEEQIRL 176

RESULT 122
US-09-489-039A-12792
; Sequence 12792, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12792
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-12792

Query Match      0.4%; Score 7; DB 2; Length 448;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1049 LTTDGLV 1055
Db      41 LTTDGLV 47

RESULT 123
US-09-369-364A-19
; Sequence 19, Application US/09369364A
; Patent No. 6391610
; GENERAL INFORMATION:
; APPLICANT: Apte, Suneel
; APPLICANT: Hurskainen, Tiina L.
; APPLICANT: Hirohata, Satoshi
; TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
; FILE REFERENCE: 26473/4007/10-30-00
; CURRENT APPLICATION NUMBER: US/09/369,364A
; CURRENT FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Mus musculus ADAMTS-10
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (113)
```

```
; OTHER INFORMATION: Xaa = H
; NAME/KEY: MOD RES
; LOCATION: (118)
; OTHER INFORMATION: Xaa = A
; US-09-369-364A-19

Query Match      0.4%; Score 7; DB 2; Length 450;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      344 LRRRVVL 350
Db      310 LRRRVVL 316

RESULT 124
US-09-949-016-7527
; Sequence 7527, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7527
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-7527

Query Match      0.4%; Score 7; DB 2; Length 450;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      801 ALLTSQP 807
Db      160 ALLTSQP 166

RESULT 125
US-09-252-991A-30368
; Sequence 30368, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30368
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-30368

Query Match      0.4%; Score 7; DB 2; Length 452;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
```

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1055 VPGEHQ 1061
|||||
Db 409 VPGEHQ 415

RESULT 126
US-09-489-039A-12162
; Sequence 12162, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12162
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12162

Query Match 0.4%; Score 7; DB 2; Length 452;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1038 RPGEARA 1044
|||||
Db 17 RPGEARA 23

RESULT 127
US-09-949-016-8058
; Sequence 8058, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 8058
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8058

Query Match 0.4%; Score 7; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEEQIRL 316
|||||
Db 176 SEEQIRL 182

RESULT 128
US-09-949-016-8413
; Sequence 8413, Application US/09949016

; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 8413
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8413

Query Match 0.4%; Score 7; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEEQIRL 316
|||||
Db 176 SEEQIRL 182

RESULT 129
US-09-328-352-7505
; Sequence 7505, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7505
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7505

Query Match 0.4%; Score 7; DB 2; Length 455;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 EVLGFE 252
|||||
Db 348 EVLGFE 354

RESULT 130
US-09-603-208A-258
; Sequence 258, Application US/09603208A
; Patent No. 6822084
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Krogger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; APPLICANT: Lee, Heung-Shick
; APPLICANT: Kim, Hyung-Joon
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING STRESS,
; TITLE OF INVENTION: RESISTANCE AND TOLERANCE PROTEINS
; FILE REFERENCE: BGI-124CP


```
; CURRENT APPLICATION NUMBER: US/09/603,208A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142692
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: 60/151214
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930429.7
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931413.6
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931457.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931541.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932209.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932230.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932914.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19940764.9
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19941382.7
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 306
; SEQ ID NO 258
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-603-208A-258
```

```
Query Match      0.4%; Score 7; DB 2; Length 465;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      481 GIVLSPA 487
        |||||||
Db       375 GIVLSPA 381
```

```
RESULT 131
US-09-489-039A-7790
; Sequence 7790, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7790
; LENGTH: 467
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7790
```

```
Query Match      0.4%; Score 7; DB 2; Length 467;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      859 LAEAGGE 865
        |||||||
Db       300 LAEAGGE 306
```

```
RESULT 132
US-09-270-767-44250
```

```
; Sequence 44250, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44250
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-44250
```

```
Query Match      0.4%; Score 7; DB 2; Length 468;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1421 PPPSEL 1427
        |||||||
Db       402 PPPSEL 408
```

```
RESULT 133
US-09-252-991A-23310
; Sequence 23310, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23310
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23310
```

```
Query Match      0.4%; Score 7; DB 2; Length 470;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1279 GLWSLPE 1285
        |||||||
Db       373 GLWSLPE 379
```

```
RESULT 134
US-09-252-991A-32479
; Sequence 32479, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
```

; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32479
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32479

Query Match 0.4%; Score 7; DB 2; Length 472;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 LLLRPEV 45
|||
Db 391 LLLRPEV 397

RESULT 135
US-09-914-259-36
; Sequence 36, Application US/09914259
; Patent No. 6495336
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/09/914,259
; CURRENT FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-914-259-36

Query Match 0.4%; Score 7; DB 2; Length 481;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EAFVTEA 58
|||
Db 167 EAFVTEA 173

RESULT 136
US-10-104-047-2240
; Sequence 2240, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2240
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2240

Query Match 0.4%; Score 7; DB 2; Length 484;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 259 SPLQPPL 265
|||
Db 302 SPLQPPL 308

RESULT 137
US-08-942-423-3
; Sequence 3, Application US/08942423
; Patent No. 5891673
; GENERAL INFORMATION:
; APPLICANT: Hashimoto, Yasuhiro
; APPLICANT: Takemoto, Yoshihiro
; TITLE OF INVENTION: Lck Binding Protein
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Syntex (U.S.A.) Inc.
; STREET: 3401 Hillview Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/942,423
; FILING DATE: 01-OCT-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/362,715
; FILING DATE: 23-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Perles, Rohan
; REGISTRATION NUMBER: 35,752
; REFERENCE/DOCKET NUMBER: 28260
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 852-1698
; TELEFAX: (415) 496-3529
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: LCK BINDING PROTEIN
US-08-942-423-3

Query Match 0.4%; Score 7; DB 1; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124
|||
Db 430 GISAVAL 436

RESULT 138
US-09-036-987A-16
; Sequence 16, Application US/09036987A
; Patent No. 6143526
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Merlo, Donald J.
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide

```
; TITLE OF INVENTION: Production
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dow Agrosciences LLC Patent Department
; STREET: 9330 Zionsville Road
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/036,987A
; FILING DATE: 09-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stuart, Donald R
; REGISTRATION NUMBER: 28,479
; REFERENCE/DOCKET NUMBER: 50,608
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317)337-4816
; TELEFAX: (317)337-4847
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-036-987A-16
```

```
Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      447 STHFLNT 453
        |||||||
Db      463 STHFLNT 469
```

```
RESULT 139
US-09-370-700-16
; Sequence 16, Application US/09370700
; Patent No. 6274350
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H
; APPLICANT: Broughton, Mary C
; APPLICANT: Crawford, Kathryn P
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J
; APPLICANT: Turner, Jan R
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/09/370,700
; EARLIER FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/36987
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
US-09-370-700-16
```

```
Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      447 STHFLNT 453
```

```
Db      463 STHFLNT 469
```

```
RESULT 140
US-09-914-259-35
; Sequence 35, Application US/09914259
; Patent No. 6495336
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/09/914,259
; EARLIER FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-914-259-35
```

```
Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      52 EAFVYA 58
        |||||||
Db      172 EAFVYA 178
```

```
RESULT 141
US-09-603-207-16
; Sequence 16, Application US/09603207B
; Patent No. 6521406
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H
; APPLICANT: Broughton, Mary C
; APPLICANT: Crawford, Kathryn P
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J
; APPLICANT: Turner, Jan R
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/09/603,207B
; EARLIER FILING DATE: 2000-06-23
; EARLIER APPLICATION NUMBER: 09/370,700
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
US-09-603-207-16
```

```
Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      447 STHFLNT 453
        |||||||
Db      463 STHFLNT 469
```

```
RESULT 142
US-09-976-594-278
; Sequence 278, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
```

```
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 278
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1822864CD1
US-09-976-594-278

Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      52 EAF7VEA 58
      |||||
DB      172 EAF7VEA 178

RESULT 143
US-09-538-092-926
; Sequence 926, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurPatSeqFormatter Version 0.9
; SEQ ID NO 926
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: Polypeptide Accession Number P14317
US-09-538-092-926

Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1118 GISAVAL 1124
      |||||
DB      430 GISAVAL 436

RESULT 144
US-09-949-016-6216
; Sequence 6216, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
```

```
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 6216
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-6216

Query Match          0.4%; Score 7; DB 2; Length 486;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      52 EAF7VEA 58
      |||||
DB      172 EAF7VEA 178

RESULT 145
US-07-794-393-2
; Sequence 2, Application US/07794393
; Patent No. 5236844
; GENERAL INFORMATION:
; APPLICANT: CHAMON, PIERRE
; APPLICANT: BASSET, PAUL
; APPLICANT: BELLOCO, JEAN-PIERRE
; TITLE OF INVENTION: ANALYTICAL MARKERS FOR MALIGNANT BREAST
; TITLE OF INVENTION: CANCER
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/794,393
; FILING DATE: 19911121
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9025326.1
; FILING DATE: 21-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDSTEIN, JORGE A
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 1383.0040000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 466-0800
; TELEFAX: (202) 833-8716
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 488 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-794-393-2

Query Match          0.4%; Score 7; DB 1; Length 488;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```


QY 1231 CGVPDPS 1237
| | | | |
Db 80 CGVPDPS 86

RESULT 146

US-08-001-711-2

; Sequence 2, Application US/08001711

; Patent No. 5484726

; GENERAL INFORMATION:

; APPLICANT: BASSET, PAUL

; APPLICANT: BELLOCQ, JEAN-PIERRE

; APPLICANT: CHAMBON, PIERRE

; TITLE OF INVENTION: ANALYTICAL MARKERS FOR MALIGNANT BREAST

; TITLE OF INVENTION: CANCER

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Sterne, Kessler, Goldstein & Fox

; STREET: 1225 Connecticut Suite 300

; CITY: Washington

; STATE: D.C.

; ZIP: 20036

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/001,711

; FILING DATE: 19930107

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/794,393

; FILING DATE: 11-NOV-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9025626.1

; FILING DATE: 21-NOV-1990

; ATTORNEY/AGENT INFORMATION:

; NAME: MILLMAN, ROBERT A

; REGISTRATION NUMBER: 36,217

; REFERENCE/DOCKET NUMBER: 1383.0040001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)466-0800

; TELEFAX: (202)833-8716

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 488 amino acids

; TYPE: AMINO ACID

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-001-711-2

Query Match 0.4%; Score 7; DB 1; Length 488;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVPDPS 1237
| | | | |
Db 80 CGVPDPS 86

RESULT 147

US-08-704-711A-22

; Sequence 22, Application US/08704711A

; Patent No. 614159

; GENERAL INFORMATION:

; APPLICANT: WILL, Horst

; APPLICANT: HINZMANN, Bernd

; TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX

; TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESSES:

ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/704,711A

FILING DATE: 20-NOV-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/DE95/00357

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 4438838.1

FILING DATE: 21-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 4409663.1

FILING DATE: 17-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: GRANADOS, Patricia D.

REGISTRATION NUMBER: 33,683

REFERENCE/DOCKET NUMBER: 26083/124

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202)672-5300

TELEFAX: (202)672-5399

TELEX: 904136

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 488 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

; US-08-704-711A-22

Query Match 0.4%; Score 7; DB 2; Length 488;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVPDPS 1237
| | | | |
Db 80 CGVPDPS 86

RESULT 148

US-09-521-220-22

; Sequence 22, Application US/09521220

; Patent No. 6399348

; GENERAL INFORMATION:

; APPLICANT: WILL, Horst

; APPLICANT: HINZMANN, Bernd

; TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX

; TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESSES:

ADDRESSEE: Foley & Lardner

STREET: 3000 K Street, N.W., Suite 500

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/521,220

; FILING DATE: 08-Mar-2000
; CLASSIFICATION: <Unknown>
; 21-OCT-1994
; 17-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/704,711
; FILING DATE: <Unknown>
; APPLICATION NUMBER: DE 4438838.1
; FILING DATE: 21-OCT-1994
; APPLICATION NUMBER: DE 4409663.1
; FILING DATE: 17-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683
; REFERENCE/DOCKET NUMBER: 26083/124
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 488 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-521-220-22

Query Match 0.4%; Score 7; DB 2; Length 488;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1231 CGVPDPS 1237
Db 80 CGVPDPS 86

RESULT 149
US-09-391-104-31
; Sequence 31, Application US/09391104
; Patent No. 6399371
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Falduto, Michael T.
; APPLICANT: Magnuson, Scott R.
; APPLICANT: Morgan, Douglas W.
; TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,
; TITLE OF INVENTION: PROTEINS ENCODED THEREFROM AND METHODS
; TITLE OF INVENTION: OF USING SAME
; FILE REFERENCE: 6073.US.P1
; CURRENT APPLICATION NUMBER: US/09/391,104
; CURRENT FILING DATE: 1999-09-07
; PRIOR APPLICATION NUMBER: US 08/814,394
; PRIOR FILING DATE: 1997-03-11
; NUMBER OF SEQ. ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-391-104-31

Query Match 0.4%; Score 7; DB 2; Length 488;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1231 CGVPDPS 1237
Db 80 CGVPDPS 86

RESULT 150
US-07-903-103-4

; Sequence 4, Application US/07903103
; Patent No. 5411860
; GENERAL INFORMATION:
; APPLICANT: VOGELSTEIN, BERT
; APPLICANT: KINZLER, KENNETH
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G ST., N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/903,103
; FILING DATE: 19920623
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/867,840
; FILING DATE: 07-APR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.40148
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-903-103-4

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 151
US-08-044-619A-4
; Sequence 4, Application US/08044619A
; Patent No. 5420263
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY
; APPLICANT: 720 RUTLAND AVENUE, BALTIMORE, MARYLAND 21205 USA
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G ST., N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/044,619A
FILING DATE: 07-APR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/903,103
FILING DATE: 23-JUN-1992
APPLICATION NUMBER: US 07/867,840
FILING DATE: 07-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.40148
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 489 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-044-619A-4

Query Match
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;
Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441
|||||
Db 409 SVKELKE 415

RESULT 152
US-08-283-911-4
Sequence 4, Application US/08283911
Patent No. 5519118
GENERAL INFORMATION:
APPLICANT: VOGELSTEIN, BERT
APPLICANT: KINZLER, KENNETH
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
TITLE OF INVENTION: HUMAN TUMORS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
STREET: 1001 G ST., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20001-4597
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/283,911
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/903,103
FILING DATE: 23-JUN-1992
APPLICATION NUMBER: US 07/867,840
FILING DATE: 07-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.40148
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299

TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 489 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-283-911-4

Query Match
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;
Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441
|||||
Db 409 SVKELKE 415

RESULT 153
US-08-245-500A-5
Sequence 5, Application US/08245500A
Patent No. 5550023
GENERAL INFORMATION:
APPLICANT: BURRELL, MARILEE
APPLICANT: HILL, DAVID E.
APPLICANT: KINZLER, KENNETH W.
APPLICANT: VOGELSTEIN, BERT
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
TITLE OF INVENTION: HUMAN TUMORS
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
STREET: 1001 G STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/245,500A
FILING DATE: 07-APR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.42798
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 489 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-245-500A-5

Query Match
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;
Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441
|||||
Db 409 SVKELKE 415

RESULT 154
US-08-390-546-5

; Sequence 5, Application US/08390546
; Patent No. 5606044
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,546
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-390-546-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 155
US-08-390-479A-5
; Sequence 5, Application US/08390479A
; Patent No. 5618921
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER & WITCOFF, LTD.
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,479A
; FILING DATE: 02-FEB-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.48992
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-390-479A-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 156
US-08-557-393-5
; Sequence 5, Application US/08557393
; Patent No. 5702903
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/557,393
; FILING DATE: 13-NOV-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,500
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-557-393-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 157
US-08-390-516C-5
; Sequence 5, Application US/08390516C
; Patent No. 5708136
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,516C
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-390-516C-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 158
US-08-390-517A-5
; Sequence 5, Application US/08390517A
; Patent No. 5736338
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE

; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,517A
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-390-517A-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 159
US-08-390-515A-5
; Sequence 5, Application US/08390515A
; Patent No. 5756455
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,515A

;; FILING DATE: 07-APR-1993
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: KAGAN, SARAH A.
;; REGISTRATION NUMBER: 32,141
;; REFERENCE/DOCKET NUMBER: 01107.42798
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-508-9100
;; TELEFAX: 202-508-9299
;; TELEX: 197430 BBMB UT
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 489 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-390-515A-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 160
US-08-801-718-5
; Sequence 5, Application US/08801718
; Patent No. 5858976
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/801,718
; FILING DATE: 14-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/390,515
; FILING DATE: 07-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-801-718-5

Query Match 0.4%; Score 7; DB 1; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441
Db 409 SVKELKE 415

RESULT 161
US-08-448-489-11
; Sequence 11, Application US/08448489
; Patent No. 6184022
; GENERAL INFORMATION:
; APPLICANT: SEIKI, Motoharu
; APPLICANT: SATO, Hiroshi
; APPLICANT: SHINAGAWA, Akira
; TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
; FILE REFERENCE: 55-290P
; CURRENT APPLICATION NUMBER: US/08/448,489
; CURRENT FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: X = UNKNOWN
; OTHER INFORMATION: Description of Unknown Organism: Known Member of
; OTHER INFORMATION: Matrix Metalloproteinase Family
US-08-448-489-11

Query Match 0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVPDPS 1237
Db 80 CGVPDPS 86

RESULT 162
US-09-170-159A-5
; Sequence 5, Application US/09170159A
; Patent No. 6399755
; GENERAL INFORMATION:
; APPLICANT: BURRELL, MARILEE
; APPLICANT: HILL, DAVID E.
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: VOGELSTEIN, BERT
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN
; TITLE OF INVENTION: HUMAN TUMORS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/170,159A
; FILING DATE: 13-Oct-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:

```
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 489 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-170-159A-5
```

```
Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      435 SVKELKE 441
        |||||||
Db       409 SVKELKE 415
```

```
RESULT 163
US-09-480-718-46
; Sequence 46, Application US/09480718
; Patent No. 6407062
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles J
; APPLICANT: Quelle, Dawn E
; APPLICANT: Weber, Jason D.
; APPLICANT: Rousseil, Martine F.
; APPLICANT: Frederique, Zindy
; TITLE OF INVENTION: ARF-19, A NOVEL REGULATOR OF THE MAMMALIAN CELL CYCLE
; FILE REFERENCE: 1340-1-023 CIP 1
; CURRENT APPLICATION NUMBER: US/09/480,718
; CURRENT FILING DATE: 2000-01-07
; EARLIER APPLICATION NUMBER: 09/129,855
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Mouse
US-09-480-718-46
```

```
Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      435 SVKELKE 441
        |||||||
Db       409 SVKELKE 415
```

```
RESULT 164
US-09-134-000C-4888
; Sequence 4888, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
```

```
; SEQ ID NO 4888
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-4888
```

```
Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
OY      246 EVLOGFE 252
        |||||||
Db       313 EVLOGFE 319
```

```
RESULT 165
US-09-689-730-11
; Sequence 11, Application US/09689730
; Patent No. 6825024
; GENERAL INFORMATION:
; APPLICANT: SEIKI, Motoharu
; APPLICANT: SATO, Hiroshi
; APPLICANT: SHINAGAWA, Akira
; TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
; FILE REFERENCE: 55-290P
; CURRENT APPLICATION NUMBER: US/09/689,730
; CURRENT FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: US/08/448,489
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: X = UNKNOWN
; OTHER INFORMATION: Description of Unknown Organism: Known Member of
; OTHER INFORMATION: Matrix metalloproteinase Family
US-09-689-730-11
```

```
Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1231 CGVPDPS 1237
        |||||||
Db       80 CGVPDPS 86
```

```
RESULT 166
US-09-252-991A-19601
; Sequence 19601, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19601
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19601
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Query Match          0.4%; Score 7; DB 2; Length 490;
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Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1464 ADTLEHW 1470
|||

Db 331 ADTLEHW 337

RESULT 167

US-09-949-016-10808
; Sequence 10808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 10808
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10808

Query Match 0.4%; Score 7; DB 2; Length 491;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVPDPs 1237
|||

Db 83 CGVPDPs 89

RESULT 168

US-09-712-363-222
; Sequence 222, Application US/09712363
; Patent No. 6892139
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 222
; LENGTH: 494
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-222

Query Match 0.4%; Score 7; DB 2; Length 494;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 863 GGELGEA 869
|||

Db 149 GGELGEA 155

RESULT 169

US-10-104-047-3469
; Sequence 3469, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3469
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3469

Query Match 0.4%; Score 7; DB 2; Length 495;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 208 SSQSSG 214
|||

Db 360 SSQSSG 366

RESULT 170

US-09-107-532A-7077
; Sequence 7077, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998


```
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Ariniello, Pamela Deneke
;   REGISTRATION NUMBER: 40,489
;   REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (781)893-5007
;   TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 7077:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 498 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
;     HYPOTHETICAL: YES
;     ORIGINAL SOURCE:
;       ORGANISM: Enterococcus faecium
;   FEATURE:
;     NAME/KEY: misc_feature
;     LOCATION: (B) LOCATION 1...498
; SEQUENCE DESCRIPTION: SEQ ID NO: 7077:
US-09-107-532A-7077
```

```
Query Match          0.4%; Score 7; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 6.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1063 TVTVLYLT 1069
        |||||||
Db       85 TVTVLYLT 91
```

```
RESULT 171
US-09-446-301A-51
; Sequence 51, Application US/09446301A
; Patent No. 6506893
; GENERAL INFORMATION:
;   APPLICANT: EL SOLH, NEVINE
;   TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
;   TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
;   TITLE OF INVENTION: COMPOUNDS
;   FILE REFERENCE: 03715-0059
;   CURRENT APPLICATION NUMBER: US/09/446,301A
;   CURRENT FILING DATE: 1999-12-20
;   NUMBER OF SEQ ID NOS: 51
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 51
;   LENGTH: 507
;   TYPE: PRT
;   ORGANISM: Staphylococcus sp.
US-09-446-301A-51
```

```
Query Match          0.4%; Score 7; DB 2; Length 507;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      154 SSLDQSG 160
        |||||||
Db       39 SSLDQSG 45
```

```
RESULT 172
US-09-949-016-9878
; Sequence 9878, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CI001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
```

```
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO 9878
;   LENGTH: 507
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-9878
```

```
Query Match          0.4%; Score 7; DB 2; Length 507;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      52 EAFVVEA 58
        |||||||
Db       193 EAFVVEA 199
```

```
RESULT 173
US-09-413-814-34
; Sequence 34, Application US/09413814
; Patent No. 6225064
; GENERAL INFORMATION:
;   APPLICANT: Gesellschaft fuer Biotechnologische Forschung mbH
;   APPLICANT: Bristol-Myers Squibb, Co.
;   APPLICANT: Beyer, Stefan
;   APPLICANT: Bioecker, Helmut
;   APPLICANT: Brandt, Petra
;   APPLICANT: Cino, Paul M
;   APPLICANT: Dougherty, Brian A
;   APPLICANT: Goldberg, Steven L
;   APPLICANT: Hofle, Gerhard
;   APPLICANT: Mueller, Joachim
;   APPLICANT: Reichenbach, Hans
;   TITLE OF INVENTION: DNA sequences for enzymatic synthesis of polyketide or
;   TITLE OF INVENTION: heteropolyketide compounds
;   FILE REFERENCE: PCT/US 99/23535
;   CURRENT APPLICATION NUMBER: US/09/413,814
;   CURRENT FILING DATE: 1999-10-07
;   EARLIER APPLICATION NUMBER: DE 198 46 493.2
;   EARLIER FILING DATE: 1998-10-09
;   NUMBER OF SEQ ID NOS: 107
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 34
;   LENGTH: 557
;   TYPE: PRT
;   ORGANISM: Sorangium cellulosum
US-09-413-814-34
```

```
Query Match          0.4%; Score 7; DB 2; Length 557;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      212 SSGEEEA 218
        |||||||
Db       103 SSGEEEA 109
```

```
RESULT 174
US-09-583-110-4254
; Sequence 4254, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
;   APPLICANT: Lynn Doucette-Stamm et al.
;   TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
;   TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
;   FILE REFERENCE: PATH00-07A
```

```
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 4254
; LENGTH: 567
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-4254

Query Match          0.4%; Score 7; DB 2; Length 567;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      783 KVSQKV 789
        |||||
        396 KVSQKV 402

RESULT 175
US-09-107-433-3986
; Sequence 3986, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3986:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 572 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...572
```

```
; SEQUENCE DESCRIPTION: SEQ ID NO: 3986:
US-09-107-433-3986

Query Match          0.4%; Score 7; DB 2; Length 572;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      783 KVSQKV 789
        |||||
        401 KVSQKV 407

RESULT 176
US-09-902-540-10714
; Sequence 10714, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 10714
; LENGTH: 583
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-10714

Query Match          0.4%; Score 7; DB 2; Length 583;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      892 GEECDG 898
        |||||
        525 GEECDG 531

RESULT 177
US-09-248-796A-15425
; Sequence 15425, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 15425
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-15425

Query Match          0.4%; Score 7; DB 2; Length 592;
Best Local Similarity 100.0%; Pred. No. 8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      155 SLDQGP 161
        |||||
        90 SLDQGP 96
```

```
RESULT 178
US-09-902-540-9826
; Sequence 9826, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 9826
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-9826

Query Match          0.4%; Score 7; DB 2; Length 603;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      857 QVLAEG 863
Db      436 QVLAEG 442

RESULT 179
US-09-489-039A-9256
; Sequence 9256, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9256
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9256

Query Match          0.4%; Score 7; DB 2; Length 621;
Best Local Similarity 100.0%; Pred. No. 8.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      40 LLRPEVL 46
Db      479 LLRPEVL 485

RESULT 180
US-09-252-991A-30904
; Sequence 30904, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
```

```
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30904
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30904

Query Match          0.4%; Score 7; DB 2; Length 628;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      259 SPLQPP 265
Db      209 SPLQPP 215

RESULT 181
US-09-252-991A-24104
; Sequence 24104, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24104
; LENGTH: 648
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24104

Query Match          0.4%; Score 7; DB 2; Length 648;
Best Local Similarity 100.0%; Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      244 RLEVQG 250
Db      589 RLEVQG 595

RESULT 182
US-09-949-016-9577
; Sequence 9577, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9577
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Human
```

US-09-949-016-9577

Query Match 0.4%; Score 7; DB 2; Length 655;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEEA 218
|||||

DB 649 SSGEEA 655

RESULT 183

US-09-489-039A-12466
; Sequence 12466, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ. ID NOS: 14342
; SEQ ID NO 12466
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12466

Query Match 0.4%; Score 7; DB 2; Length 660;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1197 QASSGQY 1203
|||||

DB 602 QASSGQY 608

RESULT 184

US-09-198-452A-468
; Sequence 468, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; PRIOR FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 468
; LENGTH: 671
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-468

Query Match 0.4%; Score 7; DB 2; Length 671;
Best Local Similarity 100.0%; Pred. No. 9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1162 SCPSSL 1168
|||||

DB 132 SCPSSL 138

RESULT 185

US-09-538-092-421
; Sequence 421, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:

; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.

; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurapatSeqFormatter Version 0.9
; SEQ ID NO 421
; LENGTH: 691
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Y1144W
US-09-538-092-421

Query Match 0.4%; Score 7; DB 2; Length 691;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1390 NQEREKL 1396
|||||

DB 420 NQEREKL 426

RESULT 186

US-09-902-540-11035
; Sequence 11035, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11035
; LENGTH: 691
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11035

Query Match 0.4%; Score 7; DB 2; Length 691;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1489 PDPVLVH 1495
|||||

DB 333 PDPVLVH 339

RESULT 187

US-09-252-991A-26724
; Sequence 26724, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18


```
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26724
; LENGTH: 692
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (571)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-26724
```

```
Query Match          0.4%; Score 7; DB 2; Length 692;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      36 RERLLR 42
      |||||
Db      276 RERLLR 282
```

```
RESULT 188
US-09-949-016-7243
; Sequence 7243, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7243
; LENGTH: 693
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7243
```

```
Query Match          0.4%; Score 7; DB 2; Length 693;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1038 RPEARA 1044
      |||||
Db      10 RPEARA 16
```

```
RESULT 189
US-09-252-991A-28636
; Sequence 28636, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
```

```
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28636
; LENGTH: 696
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28636
```

```
Query Match          0.4%; Score 7; DB 2; Length 696;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      37 ERLLRP 43
      |||||
Db      369 ERLLRP 375
```

```
RESULT 190
US-09-949-016-9436
; Sequence 9436, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9436
; LENGTH: 717
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9436
```

```
Query Match          0.4%; Score 7; DB 2; Length 717;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1520 YDGDCC 1526
      |||||
Db      668 YDGDCC 674
```

```
RESULT 191
US-09-252-991A-30884
; Sequence 30884, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30884
; LENGTH: 724
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30884
```

```
Query Match          0.4%; Score 7; DB 2; Length 724;
```

Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 863 GGELGEA 869
|||
Db 530 GGELGEA 536

RESULT 192

US-09-370-838-67
; Sequence 67, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 67
; LENGTH: 764
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-370-838-67

Query Match 0.4%; Score 7; DB 2; Length 764;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GD\$SEdG 183
|||
Db 700 GD\$SEdG 706

RESULT 193

US-09-538-092-944
; Sequence 944, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giôt, Loïc
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurapatSeqFormatter Version 0.9
; SEQ ID NO 944
; LENGTH: 764
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P17480
US-09-538-092-944

Query Match 0.4%; Score 7; DB 2; Length 764;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GD\$SEdG 183

Db 700 GD\$SEdG 706
|||
Db 700 GD\$SEdG 706

RESULT 194

US-09-854-133-67
; Sequence 67, Application US/09854133
; Patent No. 6759508
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 67
; LENGTH: 764
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-854-133-67

Query Match 0.4%; Score 7; DB 2; Length 764;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GD\$SEdG 183
|||
Db 700 GD\$SEdG 706

RESULT 195

US-09-949-016-6167
; Sequence 6167, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6167
; LENGTH: 767
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6167

Query Match 0.4%; Score 7; DB 2; Length 767;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1107 SVLNFS 1113
|||
Db 721 SVLNFS 727

RESULT 196
US-09-981-953A-2
; Sequence 2, Application US/09981953A

```
/ Patent No. 6689599
; GENERAL INFORMATION:
; APPLICANT: RACIE, LISA A.
; APPLICANT: TWINE, NATALIE C.
; APPLICANT: AGOSTINO, MICHAEL J.
; APPLICANT: WOLFMAN, NEIL
; APPLICANT: MORRIS, ELISABETH A.
; TITLE OF INVENTION: NOVEL AGGREGANASE MOLECULES
; FILE REFERENCE: 08702.0075-00000
; CURRENT APPLICATION NUMBER: US/09/981,953A
; CURRENT FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/242,317
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Amino acid
; OTHER INFORMATION: sequence of the aggreganase molecule
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (200)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (214)
; OTHER INFORMATION: Any amino acid
US-09-981-953A-2
```

```
Query Match      0.4%; Score 7; DB 2; Length 770;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      344 LRHRVVL 350
      |||||
Db      687 LRHRVVL 693
```

```
RESULT 197
US-09-949-016-9773
; Sequence 9773, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9773
; LENGTH: 781
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9773
```

```
Query Match      0.4%; Score 7; DB 2; Length 781;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      177 GDSSEdG 183
      |||||
Db      717 GDSSEdG 723
```

```
RESULT 198
US-09-949-016-9432
; Sequence 9432, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9432
; LENGTH: 789
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9432
```

```
Query Match      0.4%; Score 7; DB 2; Length 789;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1107 SVLNFS 1113
      |||||
Db      743 SVLNFS 749
```

```
RESULT 199
US-08-785-052-4
; Sequence 4, Application US/08785052
; Patent No. 5756329
; GENERAL INFORMATION:
; APPLICANT: Hodgson, John
; APPLICANT: Lawlor, Elizabeth
; TITLE OF INVENTION: No. 5756329e1 tRNA Synthetase
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,052
; FILING DATE: 17-JAN-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 9601096.2
; FILING DATE: 19-JAN-1996
; APPLICATION NUMBER: 9615845.6
; FILING DATE: 27-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P31354-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
```

TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 800 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-785-052-4

Query Match 0.4%; Score 7; DB 1; Length 800;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 EILLENK 758
Db 657 EILLENK 663

RESULT 200
US-08-913-581-4
; Sequence 4, Application US/08913581
; Patent No. 5948657
; GENERAL INFORMATION:
; APPLICANT: Hodgson, John
; APPLICANT: Lawlor, Elizabeth
; TITLE OF INVENTION: No. 5948657e1 tRNA Synthetase
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,581
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/785,052
; FILING DATE: 17-JAN-1997
; APPLICATION NUMBER: 9601096.2
; FILING DATE: 19-JAN-1996
; APPLICATION NUMBER: 9615845.6
; FILING DATE: 27-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmli, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P31354-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 800 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-913-581-4

Query Match 0.4%; Score 7; DB 1; Length 800;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 EILLENK 758

Db 657 EILLENK 663

RESULT 201
US-08-158-232-10
; Sequence 10, Application US/08158232
; Patent No. 5596071
; GENERAL INFORMATION:
; APPLICANT: Payne, Jewel
; APPLICANT: Kennedy, M. Keith
; APPLICANT: Randall, John Brooks
; APPLICANT: Meier, Henry
; APPLICANT: Uick, Heidi Jane
; APPLICANT: Foncerrada, Luis
; APPLICANT: Schnepf, H. Ernest
; APPLICANT: Schwab, George E.
; APPLICANT: Fu, Jenny
; TITLE OF INVENTION: No. 5596071e1 Bacillus thuringiensis Toxins Active
; TITLE OF INVENTION: Against Hymenopteran Pests
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/158,232
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/887,980
; FILING DATE: 22-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/797,645
; FILING DATE: 25-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/703,977
; FILING DATE: 22-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Saliwanchik, David R.
; REGISTRATION NUMBER: 31,794
; REFERENCE/DOCKET NUMBER: M/SCU104.C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC1642) NRRL B-18961
US-08-158-232-10

Query Match 0.4%; Score 7; DB 1; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 436 VKELKEA 442
|||
Db 42 VKELKEA 48

RESULT 202

US-08-304-626-10
; Sequence 10, Application US/08304626
; Patent No. 5616495
; GENERAL INFORMATION:
; APPLICANT: Payne, Jewel M.
; APPLICANT: Kennedy, M. Keith
; APPLICANT: Randall, John Brooks
; APPLICANT: Meier, Henry
; APPLICANT: Vick, Heidi Jane
; APPLICANT: Foncerrada, Luis
; APPLICANT: Schnepf, Harry E.
; APPLICANT: Schwab, George E.
; TITLE OF INVENTION: No. 5616495el Bacillus thuringiensis Isolates
; TITLE OF INVENTION: Active Against Hymenopteran Pests and Genes Encoding
; TITLE OF INVENTION: Hymenopteran-Active Toxins
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/304,626
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/887,980
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Saliwanchik, David R.
; REGISTRATION NUMBER: 31,794
; REFERENCE/DOCKET NUMBER: M/SCJ 104
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC1642) NRRL B-18961
; US-08-304-626-10

Query Match 0.4%; Score 7; DB 1; Length 803;
Best local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 436 VKELKEA 442
|||
Db 42 VKELKEA 48

RESULT 203
US-08-316-301A-12
; Sequence 12, Application US/08316301A
; Patent No. 5753492
; GENERAL INFORMATION:
; APPLICANT: Schnepf, Harry E.
; APPLICANT: Schwab, George E.
; APPLICANT: Payne, Jewel M.
; APPLICANT: Narva, Kenneth E.
; APPLICANT: Foncerrada, Luis
; TITLE OF INVENTION: No. 5753492el Nematode-Active Toxins and Genes
; TITLE OF INVENTION: Which Code Therefor
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Saliwanchik & Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/316,301A
; FILING DATE: 30-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/871,510
; FILING DATE: 23-APR-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/693,018
; FILING DATE: 03-MAY-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/565,544
; FILING DATE: 10-AUG-1990
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/084,653
; FILING DATE: 12-AUG-1987
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/830,050
; FILING DATE: 31-JAN-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lloyd, Jeff
; REGISTRATION NUMBER: 35,589
; REFERENCE/DOCKET NUMBER: MA200CCCD1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC 1642) NRRL B-18961
; US-08-316-301A-12

Query Match 0.4%; Score 7; DB 1; Length 803;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442

Db 42 VKELKEA 48

RESULT 204

US-08-611-928-10

; Sequence 10, Application US/08611928

; Patent No. 5824792

; GENERAL INFORMATION:

; APPLICANT: Payne, Jewel

; APPLICANT: Kennedy, M. Keith

; APPLICANT: Randall, John Brooks

; APPLICANT: Meier, Henry

; APPLICANT: Vick, Heidi Jane

; APPLICANT: Foncerrada, Luis

; APPLICANT: Schnepf, H. Ernest

; APPLICANT: Schwab, George E.

; TITLE OF INVENTION: No. 5824792el Bacillus thuringiensis Toxins Active

; TITLE OF INVENTION: Against Hymenopteran Pests

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David R. Saliwanchik

; STREET: 2421 N.W. 41st Street, Suite A-1

; CITY: Gainesville

; STATE: FL

; COUNTRY: USA

; ZIP: 32606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentln Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/611,928

; FILING DATE: 06-MAR-1996

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/158,232

; FILING DATE: 24-NOV-1993

; APPLICATION NUMBER: US 07/887,980

; FILING DATE: 22-MAY-1992

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/797,645

; FILING DATE: 25-NOV-1991

; CLASSIFICATION: 530

; APPLICATION NUMBER: US 07/703,977

; FILING DATE: 22-MAY-1991

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Saliwanchik, David R.

; REGISTRATION NUMBER: 31,794

; REFERENCE/DOCKET NUMBER: M/SCJ104.C1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 904-375-8100

; TELEFAX: 904-372-5800

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 803 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: YES

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: Bacillus thuringiensis

; INDIVIDUAL ISOLATE: PS63B

; IMMEDIATE SOURCE:

; CLONE: E. coli NM522(pMYC1642) NRRL B-18961

; US-08-611-928-10

Query Match 0.4%; Score 7; DB 1; Length 803;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442

Db 42 VKELKEA 48

RESULT 205

US-09-173-891-10

; Sequence 10, Application US/09173891

; Patent No. 6077937

; GENERAL INFORMATION:

; APPLICANT: Payne, Jewel

; APPLICANT: Kennedy, M. Keith

; APPLICANT: Randall, John Brooks

; APPLICANT: Meier, Henry

; APPLICANT: Vick, Heidi Jane

; APPLICANT: Foncerrada, Luis

; APPLICANT: Schnepf, H. Ernest

; APPLICANT: Schwab, George E.

; APPLICANT: Fu, Jenny

; TITLE OF INVENTION: No. 6077937el Bacillus thuringiensis Toxins Active

; TITLE OF INVENTION: Against Hymenopteran Pests

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David R. Saliwanchik

; STREET: 2421 N.W. 41st Street, Suite A-1

; CITY: Gainesville

; STATE: FL

; COUNTRY: USA

; ZIP: 32606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentln Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/173,891

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/158,232

; FILING DATE:

; APPLICATION NUMBER: US 07/887,980

; FILING DATE: 22-MAY-1992

; APPLICATION NUMBER: US 07/797,645

; FILING DATE: 25-NOV-1991

; APPLICATION NUMBER: US 07/703,977

; FILING DATE: 22-MAY-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Saliwanchik, David R.

; REGISTRATION NUMBER: 31,794

; REFERENCE/DOCKET NUMBER: M/SCJ104.C1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 904-375-8100

; TELEFAX: 904-372-5800

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 803 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: YES

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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC1642) NRRL B-18961
US-09-173-891-10
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Query Match          0.4%; Score 7; DB 2; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      436 VKELKEA 442
        |||||
Db       42 VKELKEA 48
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RESULT 206

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US-09-076-137-12
; Sequence 12, Application US/09076137B
; Patent No. 6166195
; GENERAL INFORMATION:
; APPLICANT: Schnepf, Harry E.
; APPLICANT: Schwab, George E.
; APPLICANT: Payne, Jewel M.
; APPLICANT: Narva, Kenneth E.
; APPLICANT: Foncerrada, Luis
; TITLE OF INVENTION: No. 6166195el Nematode-Active Toxins and Genes Which Code
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: MA-20CCCD2
; CURRENT APPLICATION NUMBER: US/09/076,137B
; EARLIER FILING DATE: 1998-05-12
; EARLIER APPLICATION NUMBER: 08/316,301
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 803
; TYPE: PRT
; ORGANISM: Bacillus thuringiensis
US-09-076-137-12
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Query Match          0.4%; Score 7; DB 2; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      436 VKELKEA 442
        |||||
Db       42 VKELKEA 48
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RESULT 207

```
US-09-738-363-12
; Sequence 12, Application US/09738363
; Patent No. 6632792
; GENERAL INFORMATION:
; APPLICANT: Schnepf, Harry E.
; APPLICANT: Schwab, George E.
; APPLICANT: Payne, Jewel M.
; APPLICANT: Narva, Kenneth E.
; APPLICANT: Foncerrada, Luis
; TITLE OF INVENTION: Nematicidal Proteins
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jay M. Sanders
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; ATTORNEY/AGENT INFORMATION:
; NAME: Salwanchik, David R.
; REGISTRATION NUMBER: 31,794
```

```
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/738,363
; FILING DATE: 15-Dec-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/076,137
; FILING DATE: 12-MAY-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanders, Jay
; REGISTRATION NUMBER: 39,355
; REFERENCE/DOCKET NUMBER: MA-20CCCD3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 352-375-8100
; TELEFAX: 352-372-5800
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC 1642) NRRL B-18961
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-738-363-12
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Query Match          0.4%; Score 7; DB 2; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      436 VKELKEA 442
        |||||
Db       42 VKELKEA 48
```

RESULT 208

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PCT-US92-03624-12
; Sequence 12, Application PC/TUS9203624
; GENERAL INFORMATION:
; APPLICANT: Schnepf, Harry E.
; APPLICANT: Schwab, George E.
; APPLICANT: Payne, Jewel M.
; APPLICANT: Narva, Kenneth E.
; APPLICANT: Foncerrada, Luis
; TITLE OF INVENTION: Novel Nematode-Active Toxins and Genes
; TITLE OF INVENTION: Which Code Therefor
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David R. Salwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/03624
; FILING DATE: 19920501
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Salwanchik, David R.
; REGISTRATION NUMBER: 31,794
```

; REFERENCE/DOCKET NUMBER: MA20C2C1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: PS63B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(pMYC 1642) NRRL B-18961
PCT-US92-03624-12

Query Match 0.4%; Score 7; DB 4; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442
Db 42 VKELKEA 48

RESULT 209
US-09-248-796A-18641
; Sequence 18641, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 18641
; LENGTH: 811
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-18641

Query Match 0.4%; Score 7; DB 2; Length 811;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 482 IVLSPAY 488
Db 198 IVLSPAY 204

RESULT 210
US-09-949-016-8339
; Sequence 8339, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 8339
; LENGTH: 823
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8339

Query Match 0.4%; Score 7; DB 2; Length 823;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1126 TSSRIGL 1132
Db 129 TSSRIGL 135

RESULT 211
US-09-489-039A-7893
; Sequence 7893, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7893
; LENGTH: 895
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7893

Query Match 0.4%; Score 7; DB 2; Length 895;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
Db 269 ATDLVLT 275

RESULT 212
US-09-543-681A-4485
; Sequence 4485, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4485
; LENGTH: 904
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4485

Query Match 0.4%; Score 7; DB 2; Length 904;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
| | | | |
Db 278 ATDLVLT 284

RESULT 213

US-08-245-295-2
; Sequence 2, Application US/08245295
; Patent No. 5700658
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Kilgannon, Patrick D.
; TITLE OF INVENTION: ICAM-4 Materials and Methods
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, Suite 6300
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/245,295
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25,447
; REFERENCE/DOCKET NUMBER: 27866/32055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-245-295-2

QY 1118 GISAVAL 1124
| | | | |
Db 25 GISAVAL 31

Query Match 0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 214
US-08-481-130-2

; Sequence 2, Application US/08481130
; Patent No. 5702917
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Kilgannon, Patrick D.
; TITLE OF INVENTION: ICAM-4 Materials and Methods
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,130
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,295
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAMS, JR. JOSEPH A.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 27866/32713
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-481-130-2

QY 1118 GISAVAL 1124
| | | | |
Db 25 GISAVAL 31

Query Match 0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 215
US-08-656-984A-2
; Sequence 2, Application US/08656984A
; Patent No. 5753502
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Kilgannon, Patrick D.

; TITLE OF INVENTION: ICAM-4 Materials and Methods
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/656,984A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,295
; FILING DATE: 18-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,604
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAMS, JR. JOSEPH A.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 27866/33321
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-656-984A-2.

Query Match 0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1118 GISAVAL 1124
Db 25 GISAVAL 31

RESULT 216
US-08-485-604-2
; Sequence 2, Application US/08485604
; Patent No. 5773293
; GENERAL INFORMATION:
; APPLICANT: WP, W. Michael
; ADDRESSEE: Kilgannon, Patrick D.
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,604
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,295
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAMS, JR. JOSEPH A.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 27866/32715
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-485-604-2

Query Match 0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1118 GISAVAL 1124
Db 25 GISAVAL 31

RESULT 217
US-08-487-595-2
; Sequence 2, Application US/08487595
; Patent No. 5852170
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; ADDRESSEE: Kilgannon, Patrick D.
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois

COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,595
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/827,689
FILING DATE: 27-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/245,295
FILING DATE: 18-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAMS, JR. JOSEPH A.
REGISTRATION NUMBER: 38,659
REFERENCE/DOCKET NUMBER: 27866/32714
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 917 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-595-2

Query Match 0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124
Db 25 GISAVAL 31

RESULT 218
US-09-328-352-7922
Sequence 7922, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 7922
LENGTH: 927
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-7922

Query Match 0.4%; Score 7; DB 2; Length 927;

Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 218 ATDLVLT 224
Db 276 ATDLVLT 282

RESULT 219
US-09-171-937C-40
Sequence 40, Application US/09171937C
Patent No. 6833490
GENERAL INFORMATION:
APPLICANT: GODDIGN, Oscar Johannes Maria
PEN, Jan
SMEEKENS, Josephus Christianus M.
TITLE OF INVENTION: Regulating metabolism by modifying the
level of trehalose-6-phosphate
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: LADAS & PARRY
STREET: 26 WEST 61 STREET
CITY: NEW YORK
STATE: NY
COUNTRY: USA
ZIP: 10023
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-Dos/MS-Dos
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/171,937C
FILING DATE: 28-Apr-1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP97/02497
FILING DATE: 02-MAY-1997
APPLICATION NUMBER: EP 96.201.225.8
FILING DATE: 03-MAY-1996
APPLICATION NUMBER: EP 96.202.128.3
FILING DATE: 26-JUL-1996
APPLICATION NUMBER: EP 96.202.395.8
FILING DATE: 29-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: MASS, Clifford J.
REGISTRATION NUMBER: 30,086
REFERENCE/DOCKET NUMBER: U-011967-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 708-1890
TELEFAX: (212) 246-8959
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 942 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-09-171-937C-40

Query Match 0.4%; Score 7; DB 2; Length 942;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1073 GSNHSLG 1079
Db 878 GSNHSLG 884

RESULT 220
US-09-438-185A-447
Sequence 447, Application US/09438185A
Patent No. 6822071

```
; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kalman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 447
; LENGTH: 947
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; OTHER INFORMATION: Cpn0445
US-09-438-185A-447

Query Match          0.4%; Score 7; DB 2; Length 947;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; .Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1162 SCPSLL 1168
        |||||
Db      143 SCPSLL 149

RESULT 221
US-09-252-991A-16798
; Sequence 16798, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16798
; LENGTH: 981
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16798

Query Match          0.4%; Score 7; DB 2; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 7; .Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      218 ATDLVLT 224
        |||||
Db      335 ATDLVLT 341

RESULT 222
US-09-543-681A-4447
; Sequence 4447, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
```

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; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4447
; LENGTH: 1019
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4447

Query Match          0.4%; Score 7; DB 2; Length 1019;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 7; .Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      197 STALPQS 203
        |||||
Db      923 STALPQS 929

RESULT 223
US-09-369-364A-17
; Sequence 17, Application US/09369364A
; Patent No. 6391610
; GENERAL INFORMATION:
; APPLICANT: Apte, Suneel
; APPLICANT: Hurskainen, Tiina L.
; APPLICANT: Hirahata, Satoshi
; TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
; FILE REFERENCE: 26473/4007/10-30-00
; CURRENT APPLICATION NUMBER: US/09/369,364A
; CURRENT FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 1081
; TYPE: PRT
; ORGANISM: Homo sapiens ADAMTS-10
US-09-369-364A-17

Query Match          0.4%; Score 7; DB 2; Length 1081;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 7; .Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      344 LRHRVVL 350
        |||||
Db      941 LRHRVVL 947

RESULT 224
US-09-981-953A-4
; Sequence 4, Application US/09981953A
; Patent No. 6689599
; GENERAL INFORMATION:
; APPLICANT: RACIE, LISA A.
; APPLICANT: TWINE, NATALIE C.
; APPLICANT: AGOSTINO, MICHAEL J.
; APPLICANT: WOLFMAN, NEIL
; APPLICANT: MORRIS, ELISABETH A.
; TITLE OF INVENTION: NOVEL AGGREGANASE MOLECULES
; FILE REFERENCE: 08702.0075-00000
; CURRENT APPLICATION NUMBER: US/09/981,953A
; CURRENT FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/242,317
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1104
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Amino acid
```


; OTHER INFORMATION: sequence of the aggreganase molecule
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (1104)
; OTHER INFORMATION: Any amino acid
US-09-981-953A-4

Query Match 0.4%; Score 7; DB 2; Length 1104;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRHRVVL 350
|||
Db 964 LRHRVVL 970

RESULT 225

US-09-949-016-8227
; Sequence 8227, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 8227
; LENGTH: 1105
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8227

Query Match 0.4%; Score 7; DB 2; Length 1105;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 609 KPTPIPI 615
|||||
Db 356 KPTPIPI 362

RESULT 226

US-09-949-016-6148
; Sequence 6148, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 6148
; LENGTH: 1117
; TYPE: PRT
; ORGANISM: Human

US-09-949-016-6148

Query Match 0.4%; Score 7; DB 2; Length 1117;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 609 KPTPIPI 615
|||||
Db 368 KPTPIPI 374

RESULT 227

US-09-862-027-78
; Sequence 78, Application US/09862027
; Patent No. 6858418
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. 6858418el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 78
; LENGTH: 1237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-862-027-78

Query Match 0.4%; Score 7; DB 2; Length 1237;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPPPL 873
|||||
Db 427 GEASPPPL 433

RESULT 228

US-09-252-991A-17290
; Sequence 17290, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17290
; LENGTH: 1257
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17290

Query Match 0.4%; Score 7; DB 2; Length 1257;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 501 EVGHVLG 507
|||||
Db 526 EVGHVLG 532

RESULT 229

US-09-328-352-6314

```
; Sequence 6314, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/328,352
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6314:
; LENGTH: 1294;
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6314

Query Match      0.4%; Score 7; DB 2; Length 1294;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      416 VADVRLKT 422
Db      818 VADVRLKT 824

RESULT 230
US-09-489-039A-13449
; Sequence 13449, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13449
; LENGTH: 1304
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13449

Query Match      0.4%; Score 7; DB 2; Length 1304;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      43 PEVLAEI 49
Db      1196 PEVLAEI 1202

RESULT 231
US-09-540-245A-15
; Sequence 15, Application US/09540245A
; Patent No. 6270984
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,245A
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
```

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; SEQ ID NO 15
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-540-245A-15

Query Match      0.4%; Score 7; DB 2; Length 1395;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1105 TTSVLNL 1111
Db      825 TTSVLNL 831

RESULT 232
US-10-289-776-15
; Sequence 15, Application US/10289776
; Patent No. 6861228
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/10/289,776
; CURRENT FILING DATE: 2002-11-06
; PRIOR APPLICATION NUMBER: US/09/540,245
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 15
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-289-776-15

Query Match      0.4%; Score 7; DB 2; Length 1395;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1105 TTSVLNL 1111
Db      825 TTSVLNL 831

RESULT 233
US-09-695-795A-2
; Sequence 2, Application US/09695795A
; Patent No. 6808893
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: ROTHSTEIN, Jeffrey D.
; APPLICANT: JACKSON, Mandy
; APPLICANT: LIN, Glen
; APPLICANT: LAW, Robert
; APPLICANT: ORLOV, Irina
; TITLE OF INVENTION: GLUTAMATE TRANSPORTER ASSOCIATED PROTEINS AND METHODS OF USE THEREIN
; FILE REFERENCE: JHU1650-2
; CURRENT APPLICATION NUMBER: US/09/695,795A
; CURRENT FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: US 60/161,007
; PRIOR FILING DATE: 1999-10-23
; PRIOR APPLICATION NUMBER: US 60/206,157
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 2
```

; LENGTH: 2388
; TYPE: PRT
; ORGANISM: Rattus
US-09-695-795A-2

Query Match 0.4%; Score 7; DB 2; Length 2388;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
|||
Db 523 RRERLL 529

RESULT 234
US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 3594
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: m1ac feature
; LOCATION: (1757)..()
; OTHER INFORMATION: Xaa = any or unknown amino acid
US-09-911-842A-4

Query Match 0.4%; Score 7; DB 2; Length 3594;
Best Local Similarity 100.0%; Pred. No. 4.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 SCIPVC 1362
|||
Db 3258 SCIPVC 3264

RESULT 235
US-09-410-551B-72
; Sequence 72, Application US/09410551B
; Patent No. 6503737
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; APPLICANT: REEVES, CHRISTOPHER
; APPLICANT: CHU, DANIEL
; APPLICANT: KHOSLA, CHAITAN
; APPLICANT: SANTI, DANIEL
; APPLICANT: WU, KAI
; TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA
; TITLE OF INVENTION: CONSTRUCTS THEREFOR
; FILE REFERENCE: 30062-20026.00
; CURRENT APPLICATION NUMBER: US/09/410,551B
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/139,650
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/123,810
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/102,748
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for windows version 4.0
; SEQ ID NO 72
; LENGTH: 6396

; TYPE: PRT
; ORGANISM: Streptomyces hygroscopicus
US-09-410-551B-72

Query Match 0.4%; Score 7; DB 2; Length 6396;
Best Local Similarity 100.0%; Pred. No. 6.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1436 QGYGIGA 1442
|||
Db 142 QGYGIGA 148

RESULT 236
US-09-940-316B-72
; Sequence 72, Application US/09940316B
; Patent No. 6759536
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; APPLICANT: REEVES, CHRISTOPHER
; APPLICANT: CHU, DANIEL
; APPLICANT: KHOSLA, CHAITAN
; APPLICANT: SANTI, DANIEL
; APPLICANT: WU, KAI
; TITLE OF INVENTION: POLYKETIDES ENCODING THE FKBA GENE OF THE FK-520 POLYKETIDE SYNTH
; TITLE OF INVENTION: GENE CLUSTER
; FILE REFERENCE: 30062-20026.11
; CURRENT APPLICATION NUMBER: US/09/940,316B
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/410,551
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/139,650
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/123,810
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/102,748
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for windows version 4.0
; SEQ ID NO 72
; LENGTH: 6396
; TYPE: PRT
; ORGANISM: Streptomyces hygroscopicus
US-09-940-316B-72

Query Match 0.4%; Score 7; DB 2; Length 6396;
Best Local Similarity 100.0%; Pred. No. 6.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1436 QGYGIGA 1442
|||
Db 142 QGYGIGA 148

RESULT 237
US-08-188-223-9
; Sequence 9, Application US/08188223
; Patent No. 5688506
; GENERAL INFORMATION:
; APPLICANT: Grimes, Stephen
; APPLICANT: Scibienski, Robert
; TITLE OF INVENTION: Immunogens Against Gonadotropin
; TITLE OF INVENTION: Releasing Hormone
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dimitrios T. Drivas, Esq.
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2787
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/188,223
FILING DATE: 27-JAN-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Drivas Esq., Dimitrios T.
REGISTRATION NUMBER: 32,218
REFERENCE/DOCKET NUMBER: 1102865-300
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-819-8286
TELEFAX: 212-354-8113
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..7
OTHER INFORMATION: /note="spacer"
US-08-188-223-9

Query Match 0.4%; Score 6; DB 1; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425
Db 1 CPPPS 6

RESULT 238
US-08-968-466-9
Sequence 9, Application US/08968466
Patent No. 6132720
GENERAL INFORMATION:
APPLICANT: Grimes, Stephen
APPLICANT: Scibienski, Robert
TITLE OF INVENTION: Immunogens Against Gonadotropin
TITLE OF INVENTION: Releasing Hormone
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dimitrios T. Drivas, Esq.
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2787
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/968,466
FILING DATE: 27-JAN-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Drivas Esq., Dimitrios T.
REGISTRATION NUMBER: 32,218
REFERENCE/DOCKET NUMBER: 1102865-300
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-819-8286
TELEFAX: 212-354-8113
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..7
OTHER INFORMATION: /note="spacer"
US-08-968-466-9

Query Match 0.4%; Score 6; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425
Db 1 CPPPS 6

RESULT 239
US-08-478-546B-9
Sequence 9, Application US/08478546B
Patent No. 6303123
GENERAL INFORMATION:
APPLICANT: Grimes, Stephen
APPLICANT: Scibienski, Robert
TITLE OF INVENTION: Methods for the Treatment of Hormone-Dependent
TITLE OF INVENTION: Tumors with Immunogens against Gonadotropin Releasing Hormone
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dimitrios T. Drivas, Esq.
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2787
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,546B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/188,223
FILING DATE: 27-JAN-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Drivas Esq., Dimitrios T.
REGISTRATION NUMBER: 32,218
REFERENCE/DOCKET NUMBER: 1102865-300
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-819-8286
TELEFAX: 212-354-8113
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..7
OTHER INFORMATION: /note="spacer"
US-08-478-546B-9

Query Match 0.4%; Score 6; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425
|||
Db 1 CPPPS 6

RESULT 240

US-08-925-002-60
; Sequence 60, Application US/08925002
; Patent No. 6048527
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/08/925,002
; CURRENT FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; US-08-925-002-60

Query Match 0.4%; Score 6; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 813 SGC RPV 818
|||
Db 3 SGC RPV 8

RESULT 241

US-08-847-844A-72
; Sequence 72, Application US/08847844A
; Patent No. 6150160
; GENERAL INFORMATION:
; APPLICANT: KAZAZIAN JR., HAIG H.
; APPLICANT: BOEKE, JEF D.
; APPLICANT: MORAN, JOHN V.
; APPLICANT: DOMBROSKI, BETH A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE OF
; TITLE OF INVENTION: MAMMALIAN RETROTRANSPOSONS
; NUMBER OF SEQUENCES: 137
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
; STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND FL.
; CITY: PHILADELPHIA
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103-7086

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/847,844A
; FILING DATE: 28-APR-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/749,805
; FILING DATE: 16-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/006,831
; FILING DATE: 16-NOV-1995

ATTORNEY/AGENT INFORMATION:

NAME: DOYLE LEARY Ph.D., KATHRYN
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-23U2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-567-2020
TELEFAX: 215-567-2991
INFORMATION FOR SEQ ID NO: 72:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-847-844A-72

Query Match 0.4%; Score 6; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 799 DAALLT 804
|||
Db 2 DAALLT 7

RESULT 242

US-09-910-552-60
; Sequence 60, Application US/09910552
; Patent No. 6642354
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/09/910,552
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/494,822
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; US-09-910-552-60

Query Match 0.4%; Score 6; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 813 SGC RPV 818
|||
Db 3 SGC RPV 8

RESULT 243

US-08-372-197-3
; Sequence 3, Application US/08372197
; Patent No. 5840513
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Antibody for the detection of Salmonellae
; NUMBER OF SEQUENCES: 8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

;; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/372,197
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 44 00 990
; FILING DATE: 14-JAN-1994
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Salmone11a
US-08-372-197-3

Query Match 0.4%; Score 6; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 641 DRASGS 646
DB 2 DRASGS 7

RESULT 244
US-09-053-611-21.
; Sequence 21, Application US/09053611
; Patent No. 6410245
; GENERAL INFORMATION:
; APPLICANT: NO. 6410245throp, Jeffrey P.
; APPLICANT: Hart, Charles P.
; APPLICANT: Schatz, Peter J.
; APPLICANT: Glaxo Group Limited
; TITLE OF INVENTION: Compositions and Methods for Detecting Ligand Dependent
; TITLE OF INVENTION: Nuclear Receptor and Coactivator Interactions
; FILE REFERENCE: 2064
; CURRENT APPLICATION NUMBER: US/09/053,611
; CURRENT FILING DATE: 1998-04-01
; NUMBER OF SEQ. ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Lact-fused
US-09-053-611-21

Query Match 0.4%; Score 6; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 754 LLENKE 759
DB 8 LLENKE 13

RESULT 245
US-10-153-334-37
; Sequence 37, Application US/10153334
; Patent No. 6924266
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006

;; CURRENT APPLICATION NUMBER: US/10/153,334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-334-37

Query Match 0.4%; Score 6; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1162 SCPSLL 1167
DB 2 SCPSLL 7

RESULT 246
PCT-US93-06751-135
; Sequence 135, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OmpC and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: consensus peptide of seq. Id. Nos. 59-89
; IMMEDIATE SOURCE: without Cys constraints.
PCT-US93-06751-135

Query Match 0.4%; Score 6; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 760 SVHLGP 765
DB 2 SVHLGP 7

RESULT 247
PCT-US93-06751-144
; Sequence 144, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OMPC and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 144:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: modified consensus peptide
; PCT-US93-06751-144

Query Match 0.4%; Score 6; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 760 SVHLP 765
Db 3 SVHLP 8

RESULT 248
US-09-140-201-14
; Sequence 14, Application US/09140201
; Patent No. 6372425
; GENERAL INFORMATION:
; APPLICANT: KELLER, P.
; TITLE OF INVENTION: LARGE SCALE AFFINITY CHROMATOGRAPHY OF
; TITLE OF INVENTION: MACROMOLECULES
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACK TRIBBLE
; STREET: P.O. BOX 2000, 126 E. LINCOLN AVENUE
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/140,201
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/329,749
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: TRIBBLE, JACK
; REGISTRATION NUMBER: 32,633
; REFERENCE/DOCKET NUMBER: 18780
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-5321
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-140-201-14

Query Match 0.4%; Score 6; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 760 SVHLP 765
Db 6 SVHLP 11

RESULT 249
US-09-563-222C-63
; Sequence 63, Application US/09563222C
; Patent No. 6696620
; GENERAL INFORMATION:
; APPLICANT: EPICYTE PHARMACEUTICALS, INC.
; APPLICANT: HIATT, ANDREW C.
; APPLICANT: HEIN, MICH B.
; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN PLANT CELLS
; FILE REFERENCE: 068904-0501
; CURRENT APPLICATION NUMBER: US/09/563,222C
; CURRENT FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: PCT/US01/14349
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/563,222
; PRIOR FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-563-222C-63

Query Match 0.4%; Score 6; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 EGDGIC 934
Db 9 EGDGIC 14

RESULT 250
PCT-US93-06751-87
; Sequence 87, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold

;; TITLE OF INVENTION: Immunological Conjugates of OMPC and
;; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
;; NUMBER OF SEQUENCES: 146
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Merck & Co., Inc.
;; STREET: P.O. Box 2000
;; CITY: Rahway
;; STATE: NJ
;; COUNTRY: USA
;; ZIP: 07065
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06751
;; FILING DATE: 19930719
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Metedith, Roy D.
;; REGISTRATION NUMBER: 30,777
;; REFERENCE/DOCKET NUMBER: 18614
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (908) 594-4678
;; TELEFAX: (908) 594-4720
;; TELEX: 138825
;; INFORMATION FOR SEQ ID NO: 87:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; IMMEDIATE SOURCE: Random Epitope Library Beta
;; PCT-US93-06751-87

Query Match 0.4%; Score 6; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 760 SVHLGP 765
|||
Db 6 SVHLGP 11

Search completed: January 30, 2006, 15:32:15
Job time : 42 secs

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